

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050132.D
 Acq On : 27 Jul 2018 16:13
 Operator : MD\SY
 Sample : VN0727WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

Quant Time: Jul 27 23:30:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	717462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1051694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	928324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	472783	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	470476	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
35) Dibromofluoromethane	7.59	113	417618	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
50) Toluene-d8	10.09	98	1535832	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
62) 4-Bromofluorobenzene	12.40	95	505386	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	197129	19.12	ug/l	98
3) Chloromethane	2.06	50	179870	16.05	ug/l	99
4) Vinyl Chloride	2.18	62	203058	17.21	ug/l	98
5) Bromomethane	2.56	94	75157	10.68	ug/l	96
6) Chloroethane	2.70	64	119571	16.87	ug/l	100
7) Trichlorofluoromethane	3.01	101	274013	17.92	ug/l	99
8) Diethyl Ether	3.41	74	93122	18.27	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	168633	18.34	ug/l	99
10) Methyl Iodide	3.95	142	85284	7.23	ug/l	99
11) Tert butyl alcohol	4.81	59	73111	99.26	ug/l	100
12) 1,1-Dichloroethene	3.73	96	147400	17.83	ug/l	98
13) Acrolein	3.61	56	26465	44.72	ug/l	96
14) Allyl chloride	4.32	41	231203	18.03	ug/l	99
15) Acrylonitrile	4.99	53	286921	89.29	ug/l	99
16) Acetone	3.82	43	232526	95.94	ug/l	99
17) Carbon Disulfide	4.05	76	413169	16.31	ug/l	100
18) Methyl Acetate	4.33	43	192225	19.98	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	430597	19.54	ug/l	98
20) Methylene Chloride	4.55	84	167835	18.11	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	159027	18.15	ug/l	97
22) Diisopropyl ether	5.96	45	488174	19.20	ug/l	99
23) Vinyl Acetate	5.90	43	1636081	91.06	ug/l	100
24) 1,1-Dichloroethane	5.85	63	299131	17.99	ug/l	99
25) 2-Butanone	6.84	43	352770	92.39	ug/l	98
26) 2,2-Dichloropropane	6.83	77	243827	19.28	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	180381	19.12	ug/l	99
28) Bromochloromethane	7.20	49	140854	18.58	ug/l	97
29) Tetrahydrofuran	7.22	42	228540	92.63	ug/l	99
30) Chloroform	7.37	83	305394	18.00	ug/l	97
31) Cyclohexane	7.65	56	254274	18.40	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	264538	18.23	ug/l	100
36) 1,1-Dichloropropene	7.79	75	221590	18.70	ug/l	100
37) Ethyl Acetate	6.94	43	148445	17.97	ug/l	98
38) Carbon Tetrachloride	7.77	117	230261	18.31	ug/l	98

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 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VN0727WBS02

Quant Time: Jul 27 23:30:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	235187	19.29	ug/l	99
40) Benzene	8.04	78	679467	18.85	ug/l	100
41) Methacrylonitrile	7.18	41	71581	18.47	ug/l	91
42) 1,2-Dichloroethane	8.13	62	219907	18.28	ug/l	99
43) Isopropyl Acetate	8.17	43	294396	18.19	ug/l	100
44) Trichloroethene	8.84	130	179587	18.54	ug/l	98
45) 1,2-Dichloropropane	9.12	63	178143	18.65	ug/l	98
46) Dibromomethane	9.21	93	109537	18.47	ug/l	97
47) Bromodichloromethane	9.40	83	230148	18.39	ug/l	99
48) Methyl methacrylate	9.20	41	136548	19.19	ug/l	98
49) 1,4-Dioxane	9.20	88	38650	399.18	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	785739	96.75	ug/l	100
52) Toluene	10.16	92	414177	19.46	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	227569	19.27	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	259084	19.20	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	161500	19.13	ug/l	98
56) Ethyl methacrylate	10.43	69	196228	18.49	ug/l	99
57) 1,3-Dichloropropane	10.71	76	261499	19.02	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	425532	85.46	ug/l	99
59) 2-Hexanone	10.75	43	521643	90.78	ug/l	99
60) Dibromochloromethane	10.90	129	178005	19.04	ug/l	100
61) 1,2-Dibromoethane	11.01	107	156302	18.66	ug/l	99
64) Tetrachloroethene	10.63	164	168968	18.93	ug/l	98
65) Chlorobenzene	11.44	112	450028	19.19	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	170644	18.94	ug/l	99
67) Ethyl Benzene	11.51	91	756192	20.08	ug/l	99
68) m/p-Xylenes	11.62	106	586420	41.16	ug/l	100
69) o-Xylene	11.95	106	282050	20.77	ug/l	99
70) Styrene	11.97	104	439506	18.78	ug/l	100
71) Bromoform	12.13	173	122651	18.71	ug/l #	99
73) Isopropylbenzene	12.25	105	759548	20.71	ug/l	100
74) N-amyl acetate	12.07	43	210026	18.74	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	206310	20.01	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	243208	27.68	ug/l #	100
77) Bromobenzene	12.53	156	193823	19.07	ug/l	99
78) n-propylbenzene	12.59	91	849818	20.74	ug/l	100
79) 2-Chlorotoluene	12.68	91	519865	20.47	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	626555	21.72	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	51052	18.43	ug/l	98
82) 4-Chlorotoluene	12.78	91	512447	20.37	ug/l	99
83) tert-Butylbenzene	12.99	119	534750	21.25	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	639863	22.01	ug/l	99
85) sec-Butylbenzene	13.17	105	716046	21.29	ug/l	100
86) p-Isopropyltoluene	13.29	119	608255	21.46	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	334594	19.42	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	325169	19.37	ug/l	99
89) n-Butylbenzene	13.62	91	470497	20.19	ug/l	99
90) Hexachloroethane	13.88	117	115168	18.30	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	335371	19.47	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31202	18.59	ug/l	97

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ALS Vial : 10 Sample Multiplier: 1

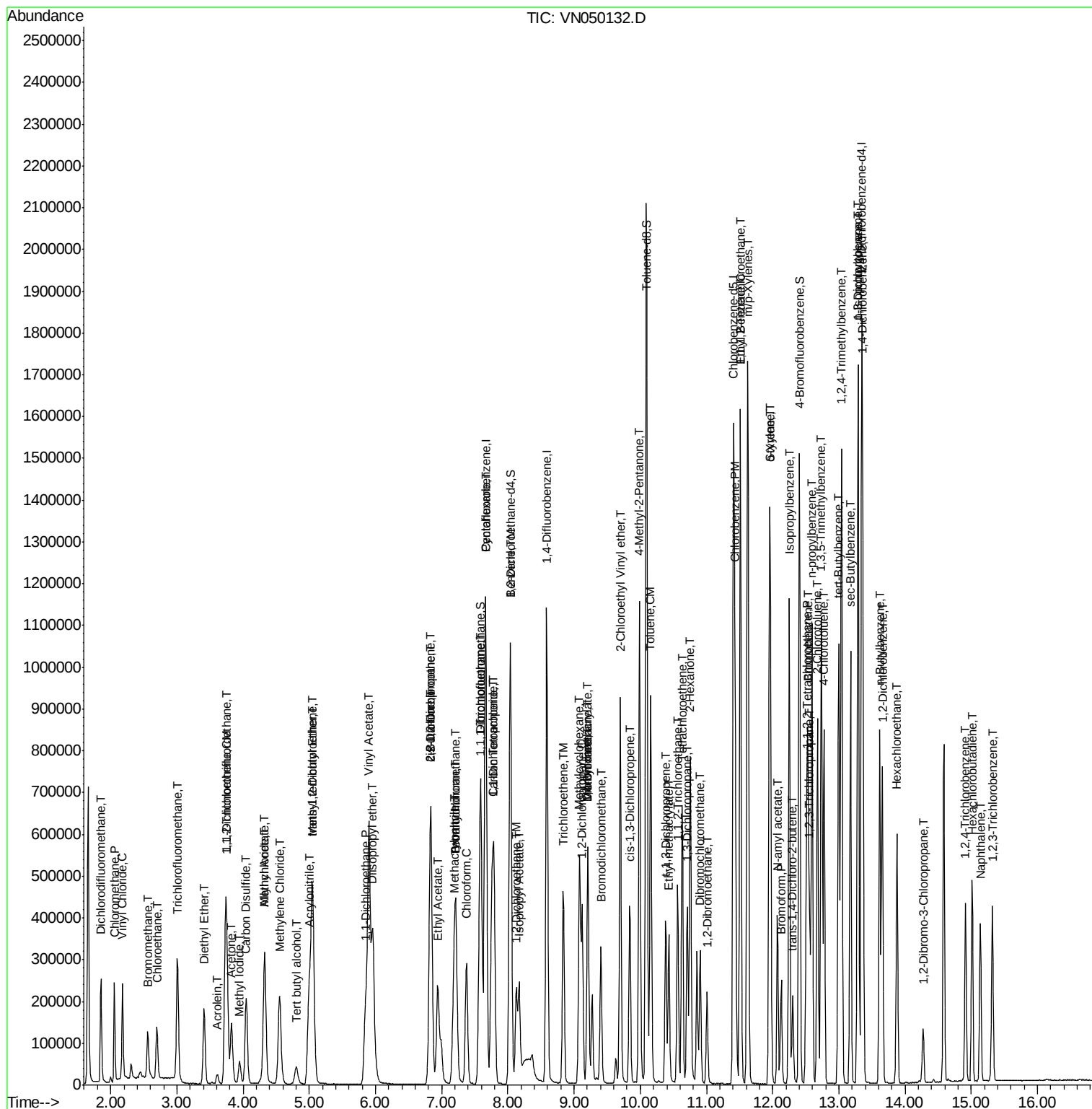
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

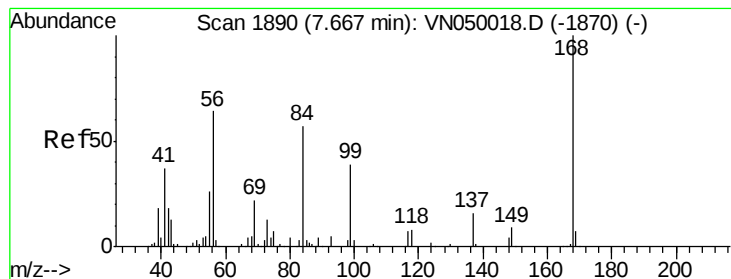
Quant Time: Jul 27 23:30:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	148379	18.33	ug/l	98
94) Hexachlorobutadiene	15.01	225	104396	19.80	ug/l	99
95) Naphthalene	15.14	128	330198	18.36	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	157052	19.08	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Jul 27 23:30:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

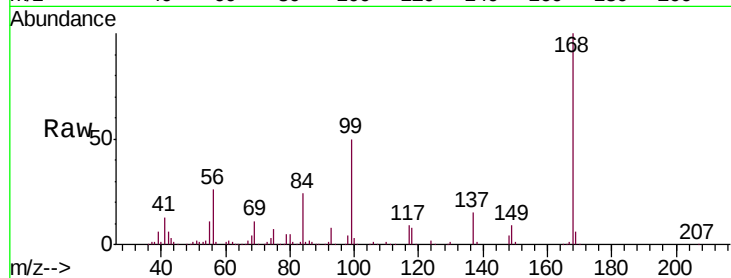
VN0727WBS02

Tot Ion:168 Resp: 717462

Ion Ratio Lower Upper

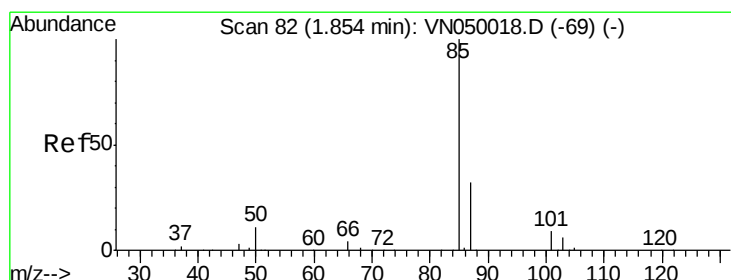
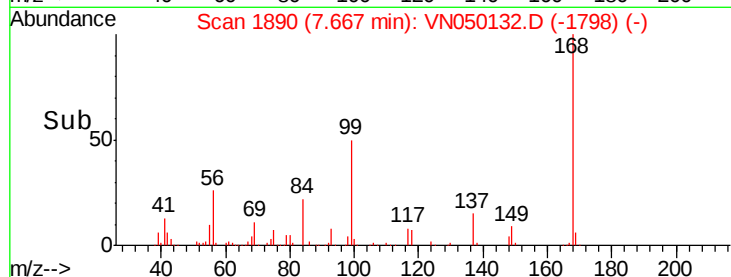
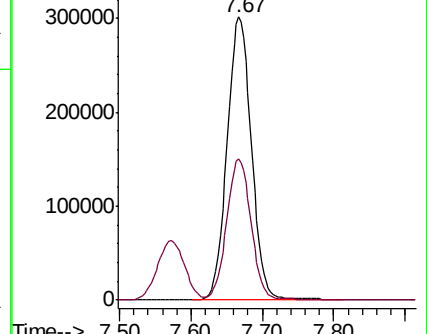
168 100

99 49.9 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.12 ug/l

RT: 1.85 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN050132.D

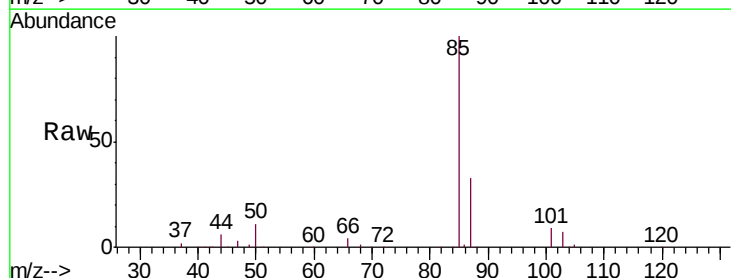
Acq: 27 Jul 2018 16:13

Tgt Ion: 85 Resp: 197129

Ion Ratio Lower Upper

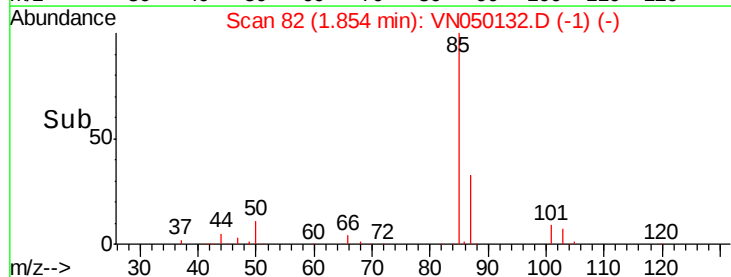
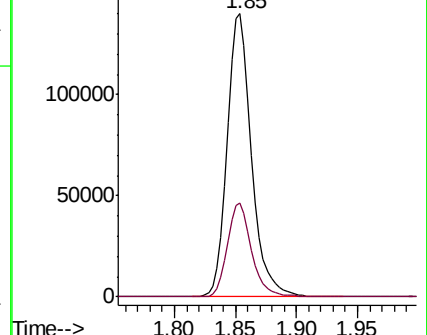
85 100

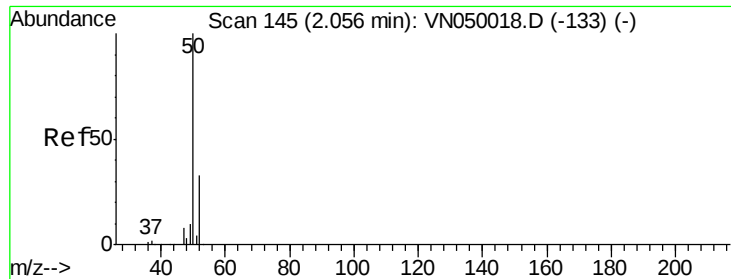
87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 16.05 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

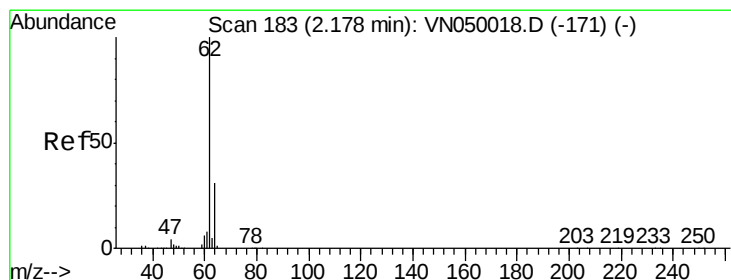
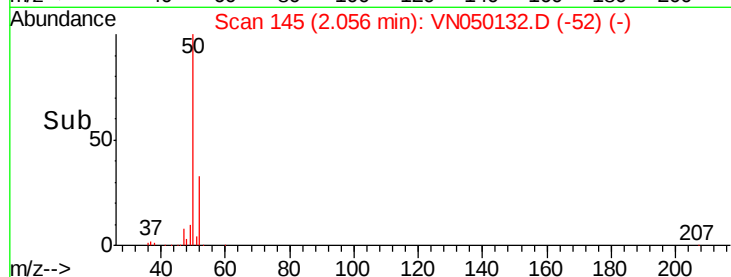
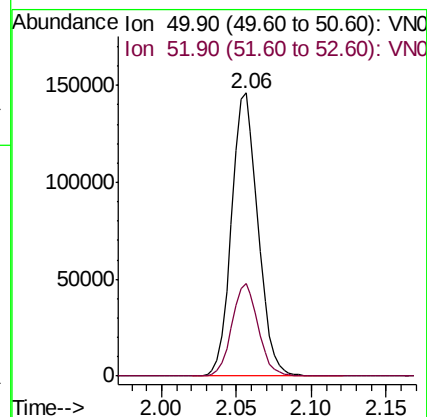
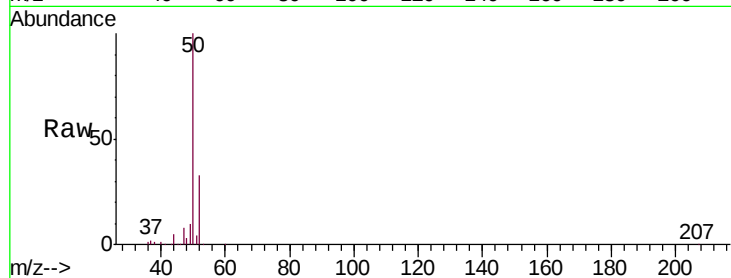
VN0727WBS02

Tot Ion: 50 Resp: 179870

Ion Ratio Lower Upper

50 100

52 32.8 25.9 38.9



#4

Vinyl Chloride

Concen: 17.21 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050132.D

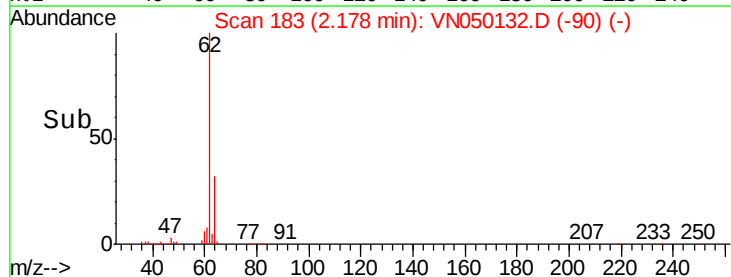
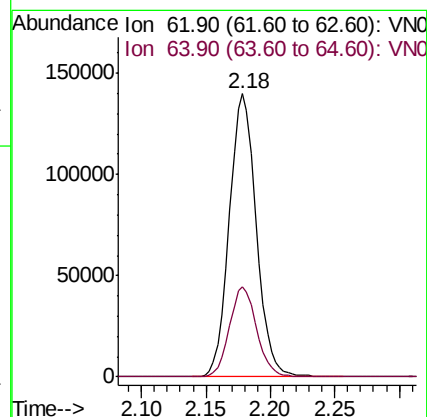
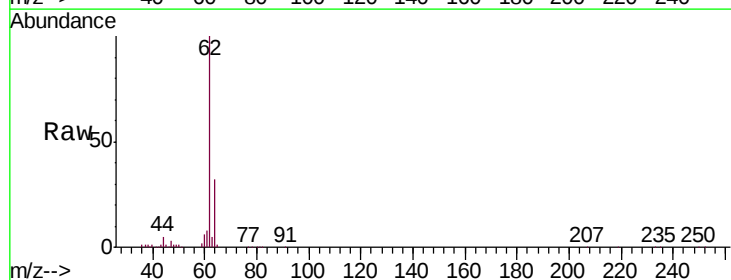
Acq: 27 Jul 2018 16:13

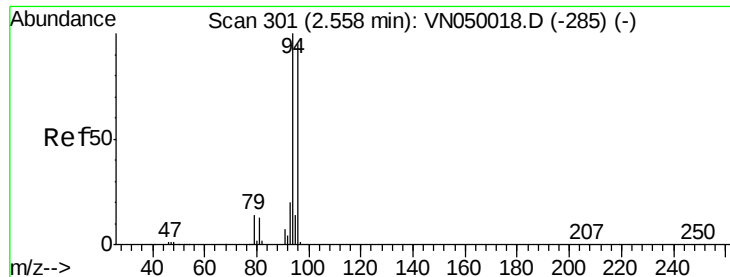
Tgt Ion: 62 Resp: 203058

Ion Ratio Lower Upper

62 100

64 32.0 24.7 37.1





#5

Bromomethane

Concen: 10.68 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

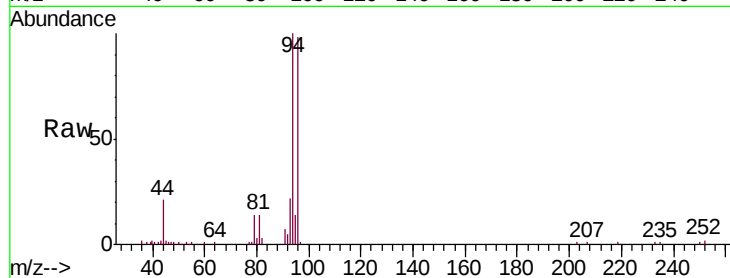
VN0727WBS02

Tot Ion: 94 Resp: 75157

Ion Ratio Lower Upper

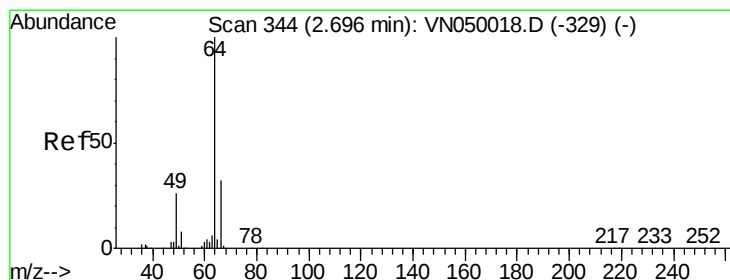
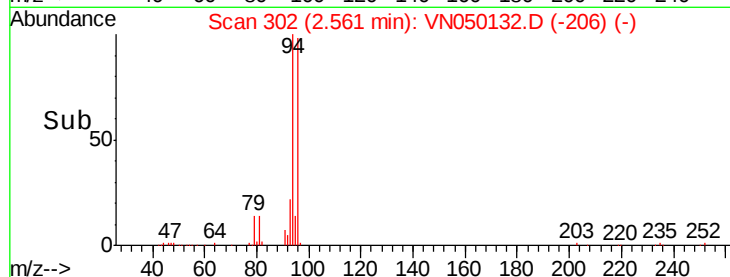
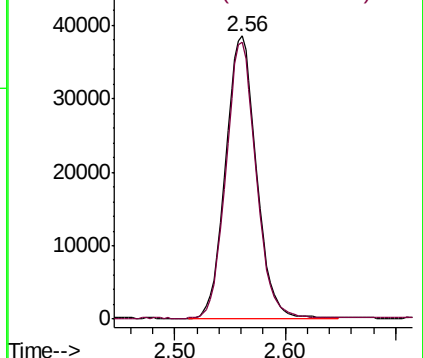
94 100

96 97.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 16.87 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050132.D

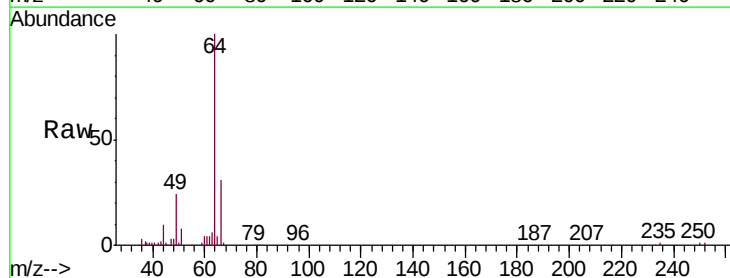
Acq: 27 Jul 2018 16:13

Tgt Ion: 64 Resp: 119571

Ion Ratio Lower Upper

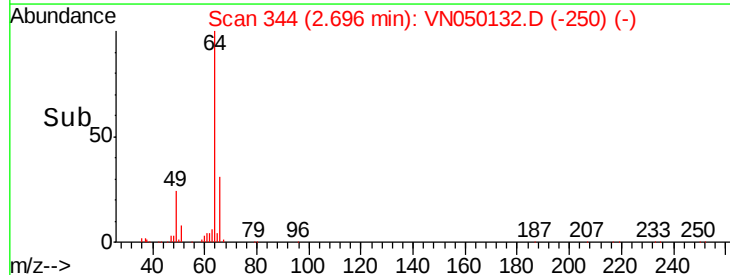
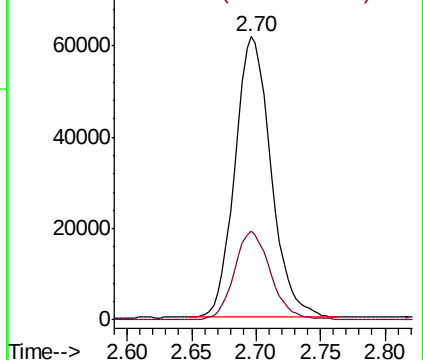
64 100

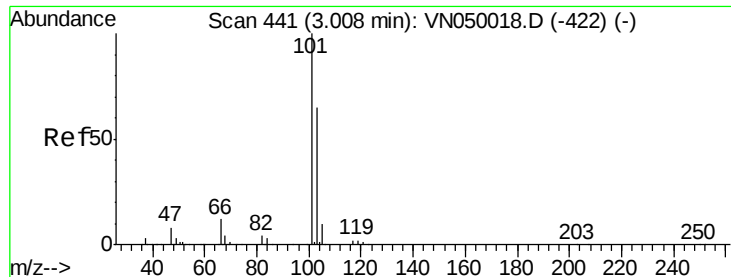
66 31.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

Trichlorofluoromethane

Concen: 17.92 ug/l

RT: 3.01 min Scan# 441

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampled :

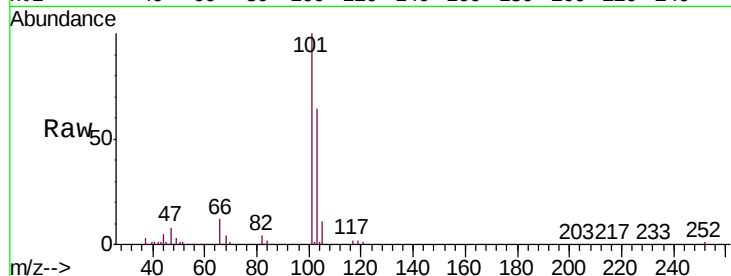
VN0727WBS02

Tot Ion:101 Resp: 274013

Ion Ratio Lower Upper

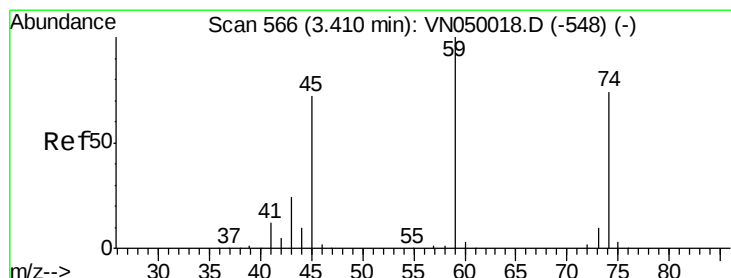
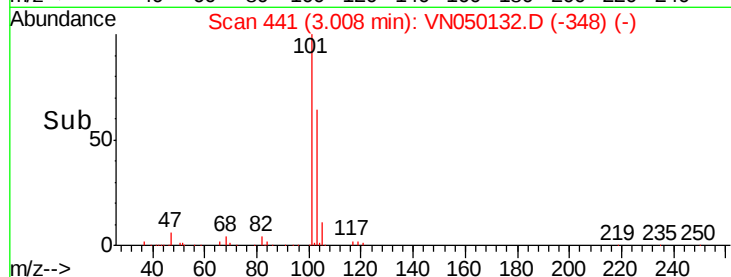
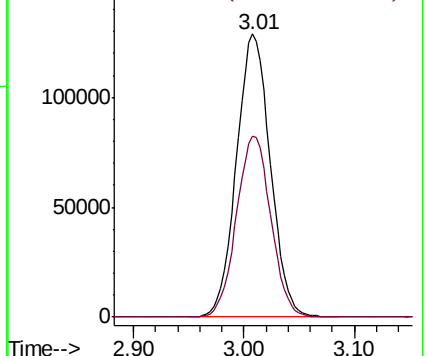
101 100

103 64.0 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 18.27 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050132.D

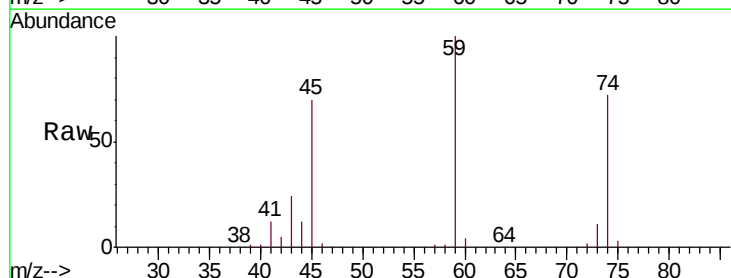
Acq: 27 Jul 2018 16:13

Tgt Ion: 74 Resp: 93122

Ion Ratio Lower Upper

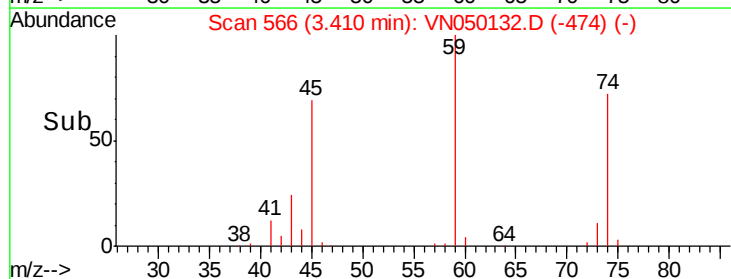
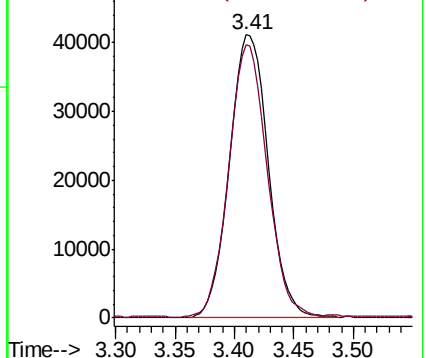
74 100

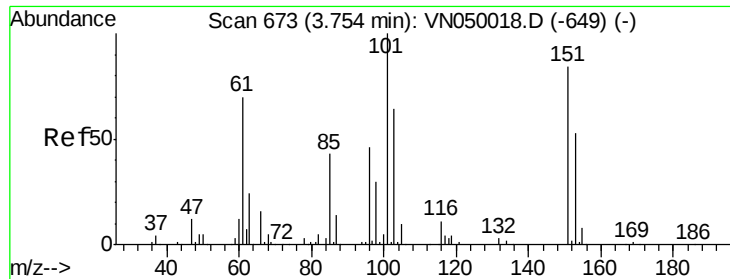
45 96.0 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.34 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN050132.D

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VN0727WBS02

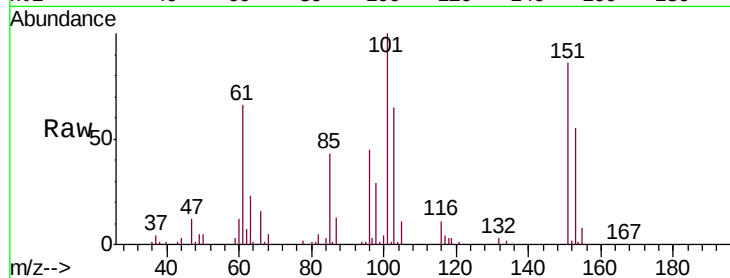
Tot Ion:101 Resp: 168633

Ion Ratio Lower Upper

101 100

85 41.9 34.2 51.2

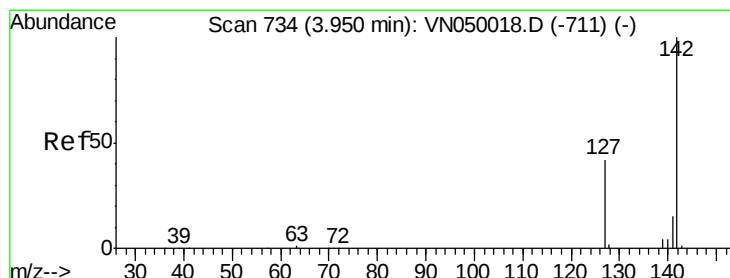
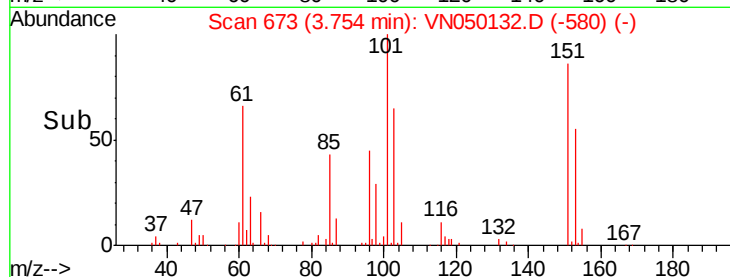
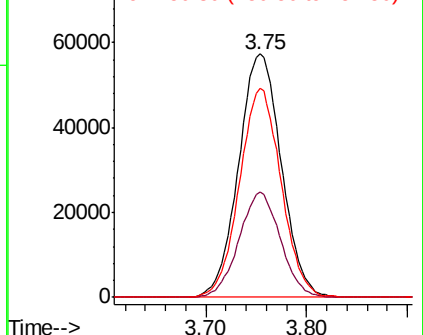
151 83.5 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 7.23 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

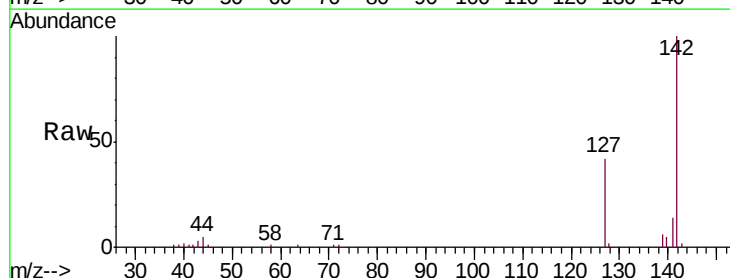
Tgt Ion:142 Resp: 85284

Ion Ratio Lower Upper

142 100

127 41.3 33.4 50.2

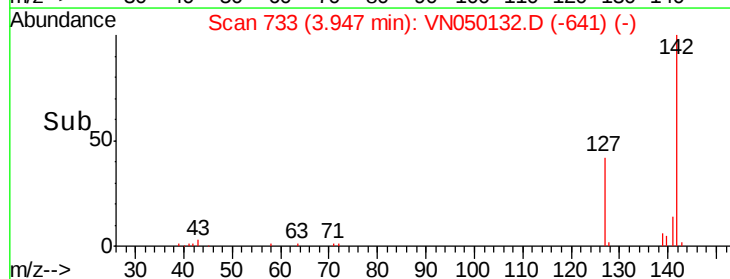
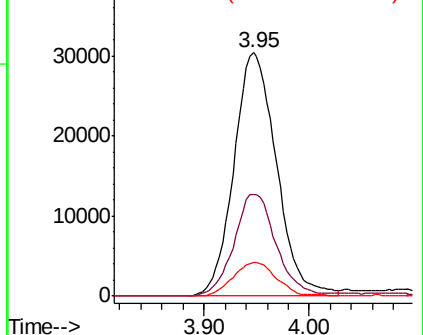
141 14.1 11.6 17.4

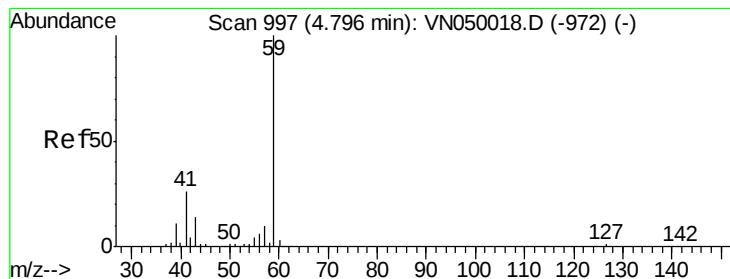


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 99.26 ug/l

RT: 4.81 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

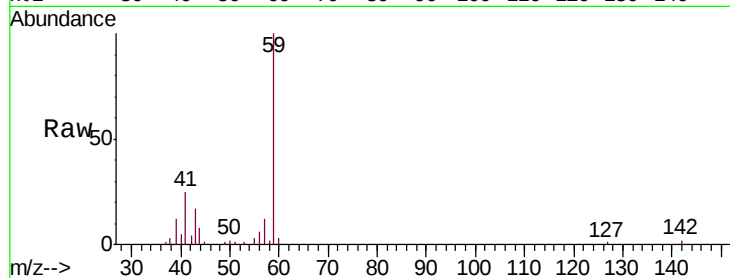
VN0727WBS02

Tot Ion: 59 Resp: 73111

Ion Ratio Lower Upper

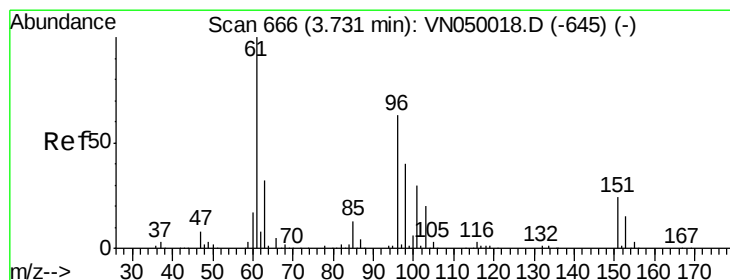
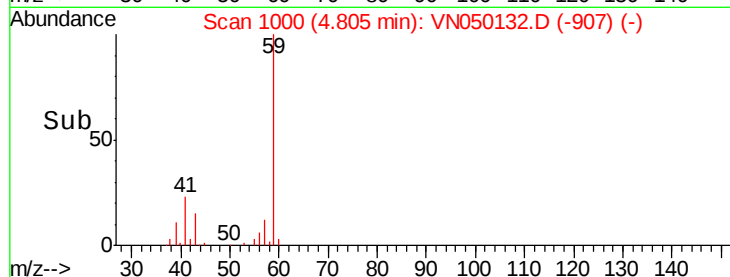
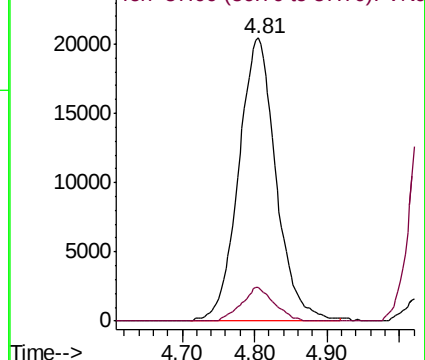
59 100

57 10.5 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 17.83 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

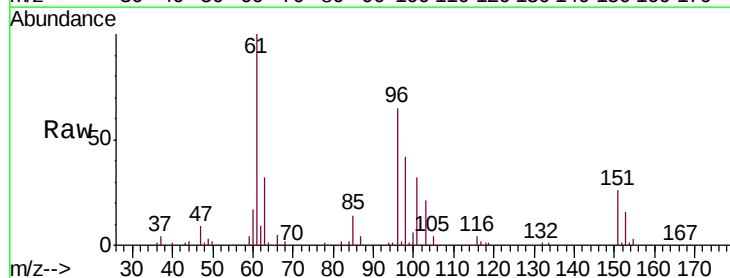
Tgt Ion: 96 Resp: 147400

Ion Ratio Lower Upper

96 100

61 154.5 124.4 186.6

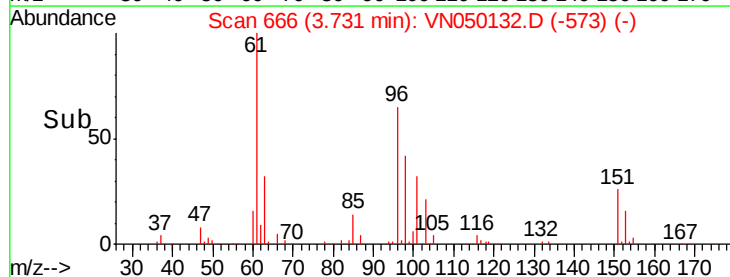
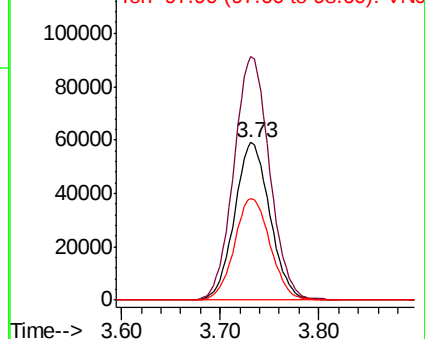
98 64.6 48.3 72.5

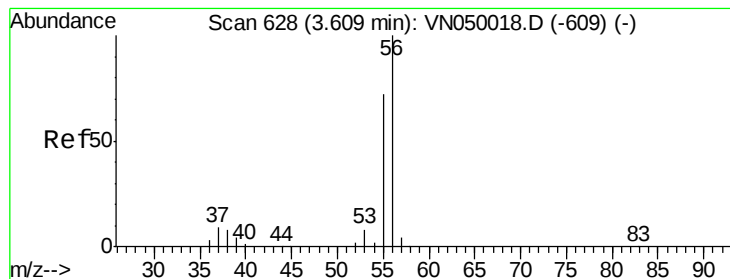


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 44.72 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

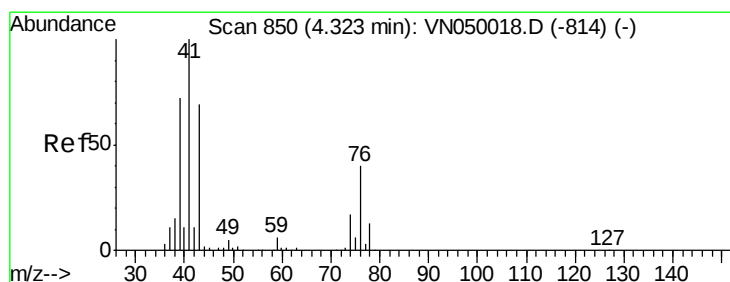
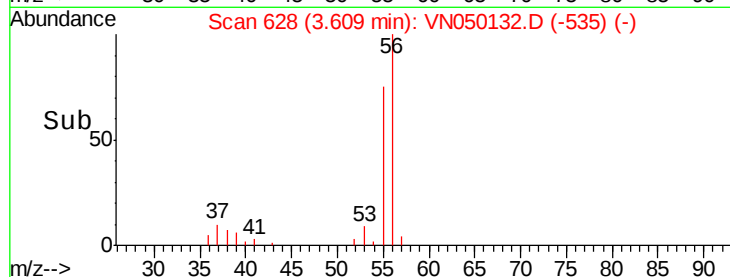
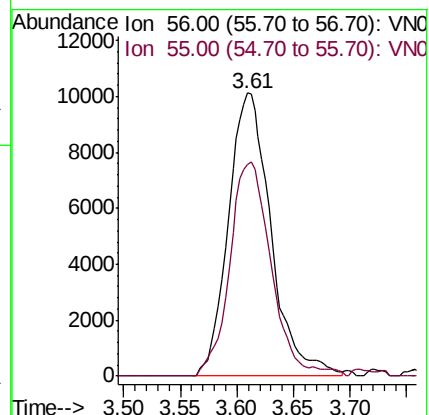
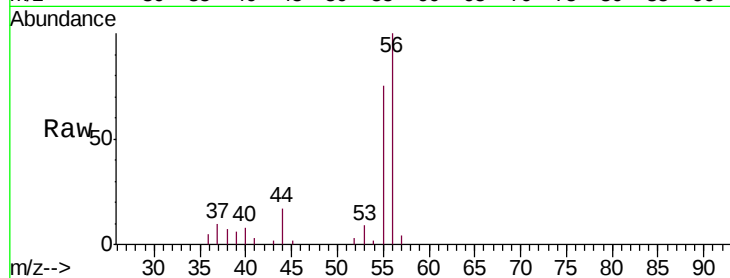
VN0727WBS02

Tot Ion: 56 Resp: 26465

Ion Ratio Lower Upper

56 100

55 72.9 55.8 83.6



#14

Allyl chloride

Concen: 18.03 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

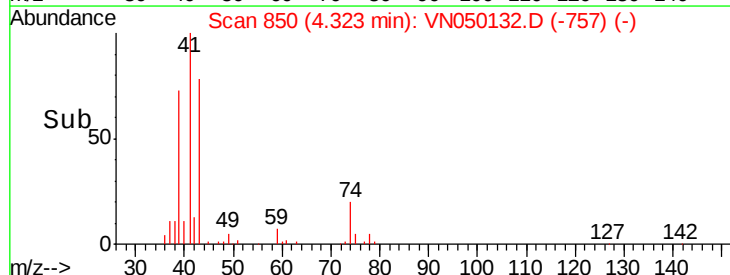
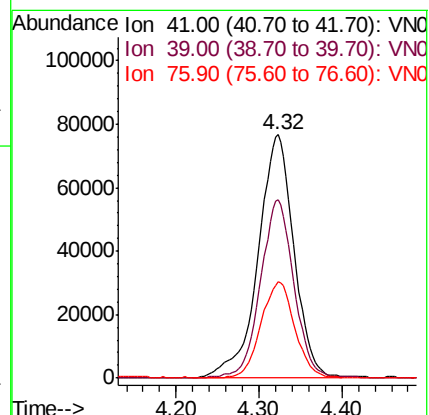
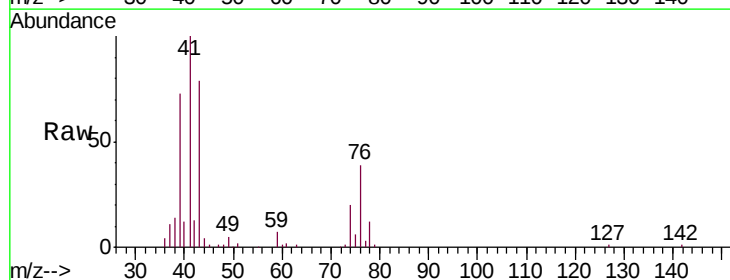
Tgt Ion: 41 Resp: 231203

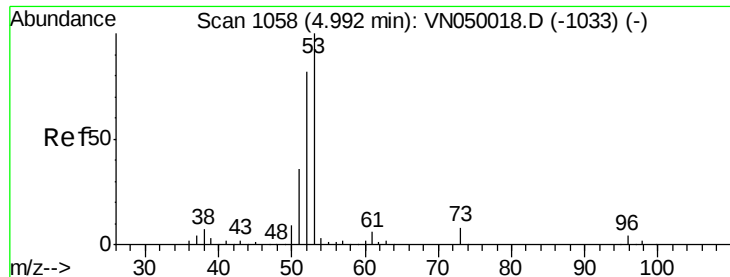
Ion Ratio Lower Upper

41 100

39 68.3 54.2 81.4

76 36.6 29.0 43.6

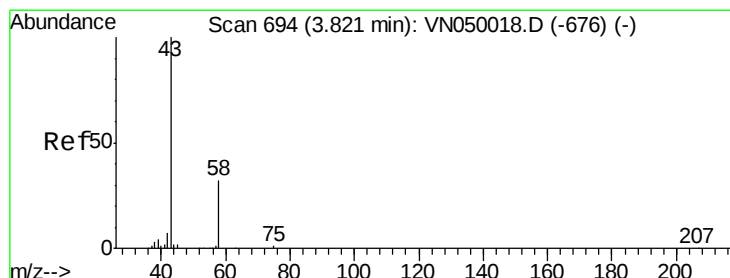
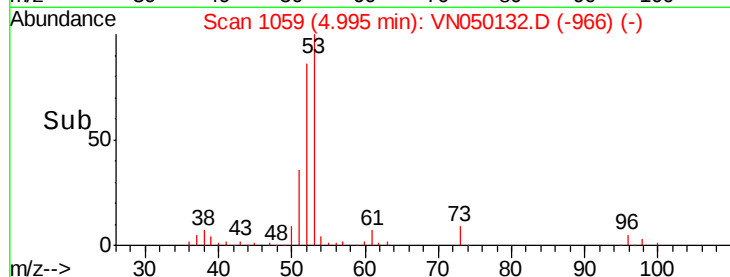
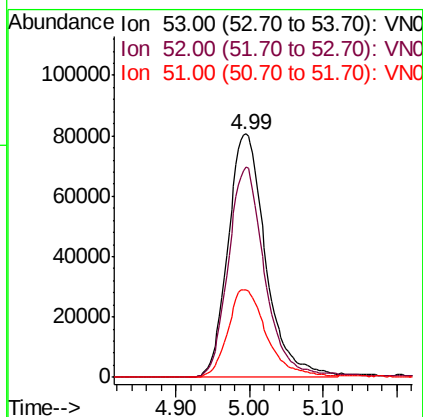
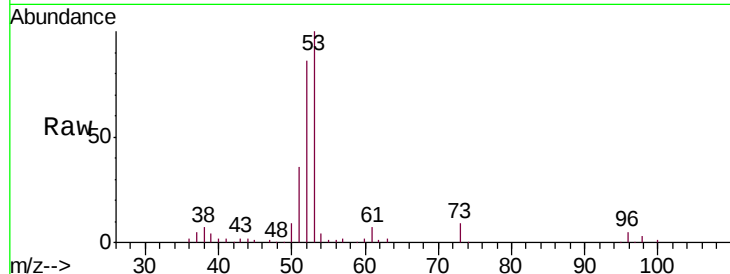




#15
 Acrylonitrile
 Concen: 89.29 ug/l
 RT: 4.99 min Scan# 1059
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

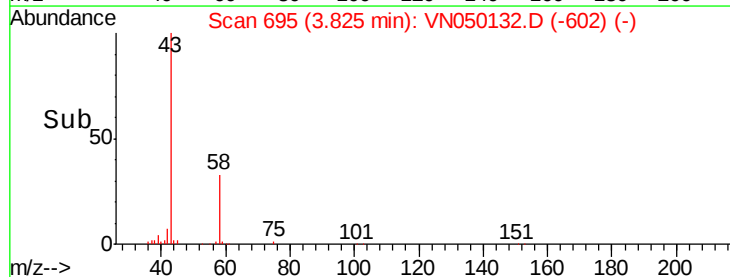
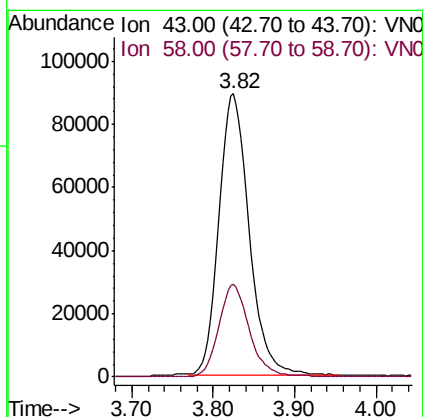
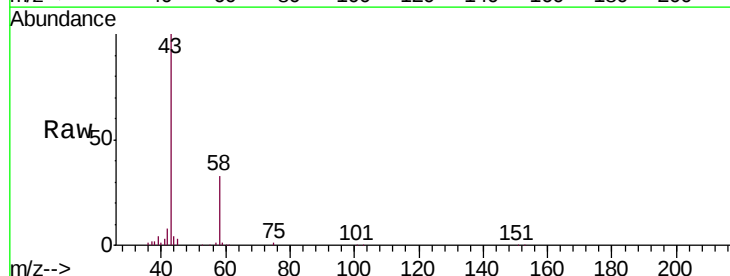
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0727WBS02

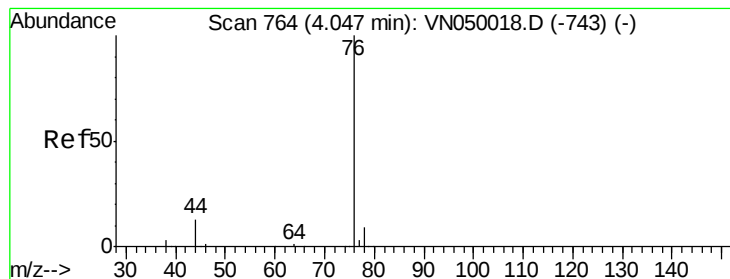
Tot Ion: 53 Resp: 286921
 Ion Ratio Lower Upper
 53 100
 52 83.0 66.2 99.2
 51 37.5 29.3 43.9



#16
 Acetone
 Concen: 95.94 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Tgt Ion: 43 Resp: 232526
 Ion Ratio Lower Upper
 43 100
 58 32.8 25.8 38.8





#17

Carbon Disulfide

Concen: 16.31 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

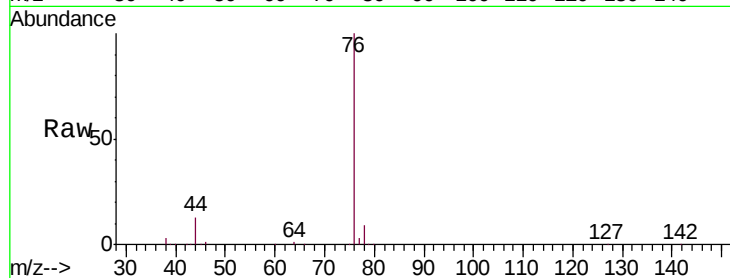
VN0727WBS02

Tot Ion: 76 Resp: 413169

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

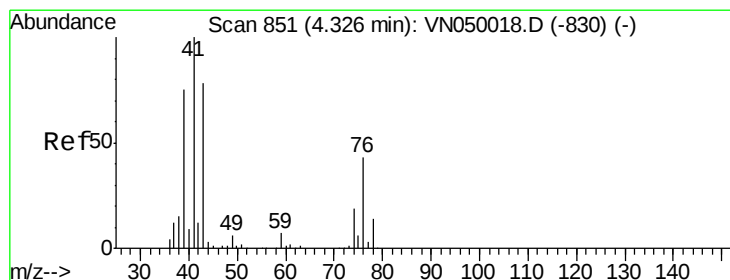
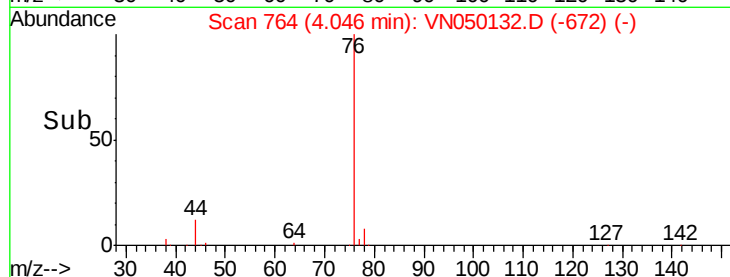
150000

100000

50000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 19.98 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050132.D

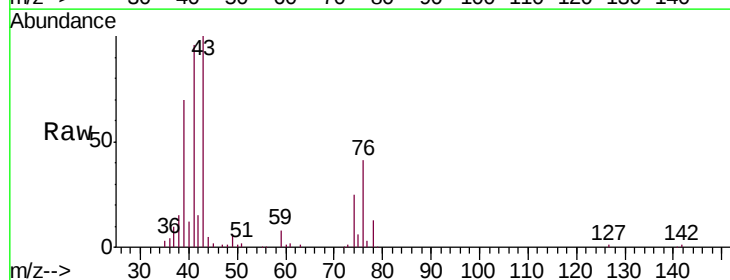
Acq: 27 Jul 2018 16:13

Tgt Ion: 43 Resp: 192225

Ion Ratio Lower Upper

43 100

74 24.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

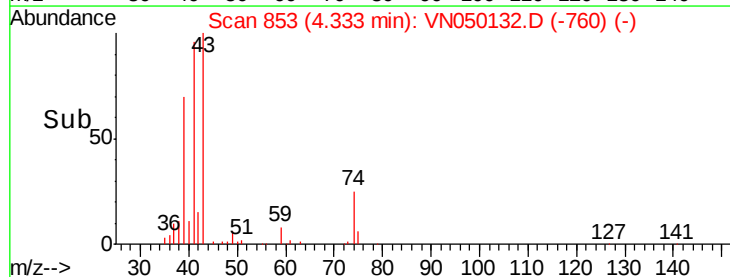
60000

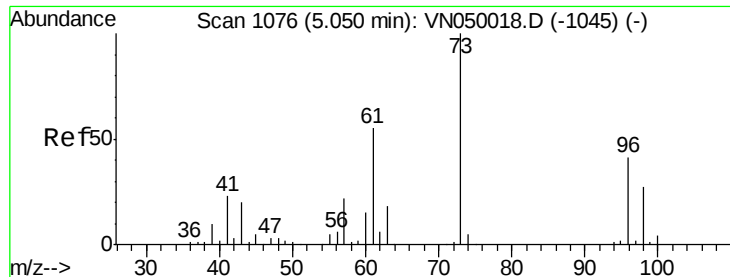
40000

20000

0

Time--> 4.20 4.30 4.40

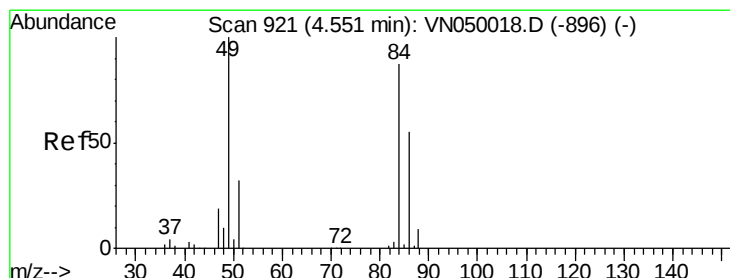
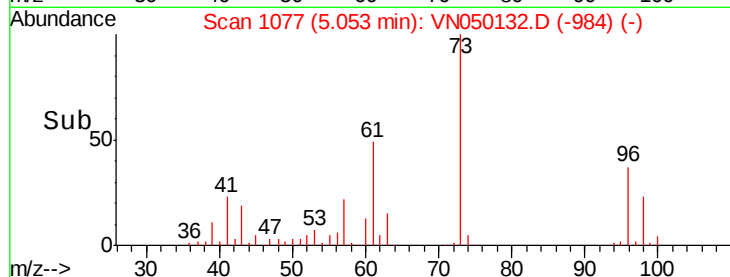
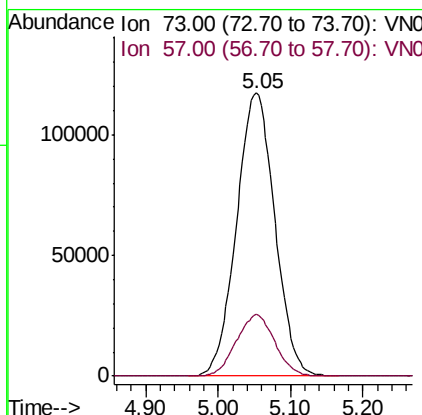
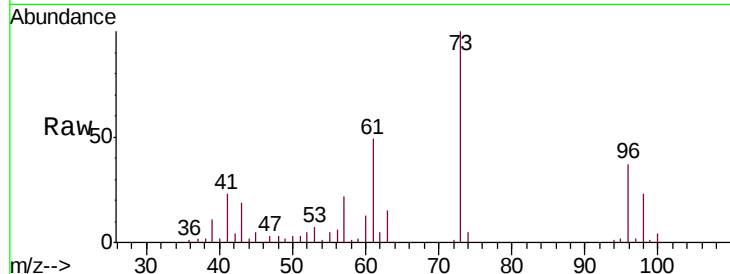




#19
Methyl tert-butyl Ether
Concen: 19.54 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

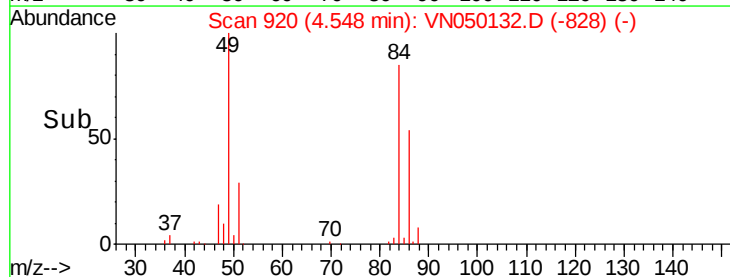
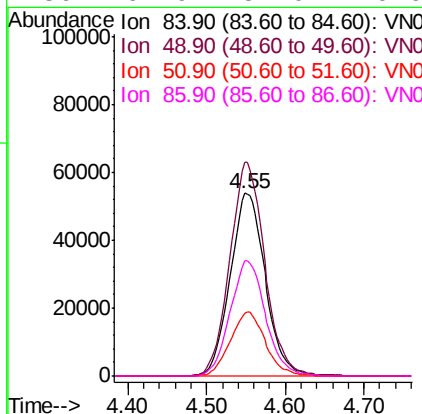
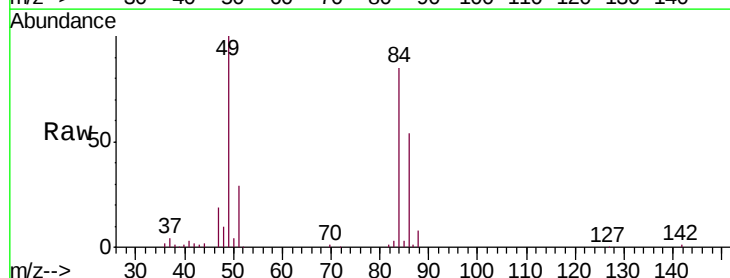
Instrument :
MSVOA_N
ClientSampled :
VN0727WBS02

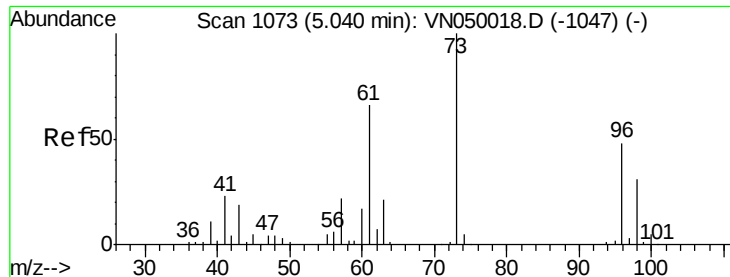
Tot Ion: 73 Resp: 430597
Ion Ratio Lower Upper
73 100
57 21.8 18.0 27.0



#20
Methylene Chloride
Concen: 18.11 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion: 84 Resp: 167835
Ion Ratio Lower Upper
84 100
49 117.0 94.8 142.2
51 34.2 28.3 42.5
86 62.9 51.0 76.6

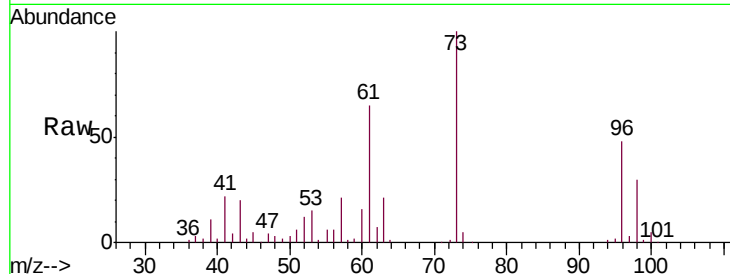




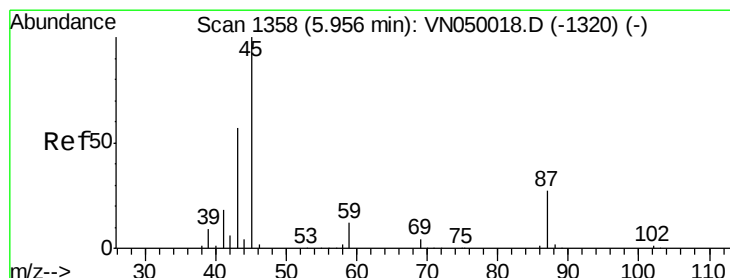
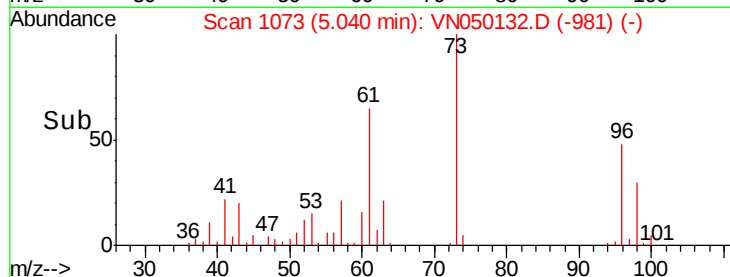
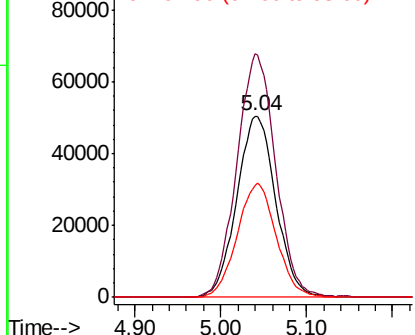
#21
trans-1,2-Dichloroethene
Concen: 18.15 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

Tot Ion: 96 Resp: 159027
Ion Ratio Lower Upper
96 100
61 134.3 110.7 166.1
98 61.8 51.6 77.4

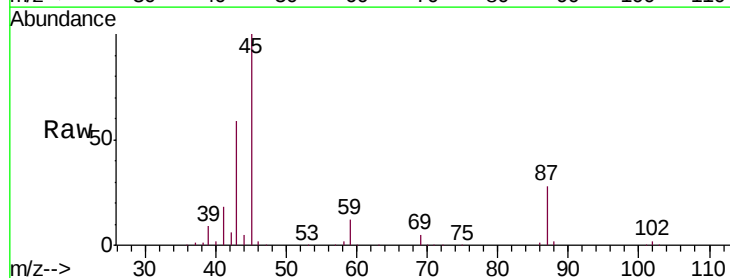


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

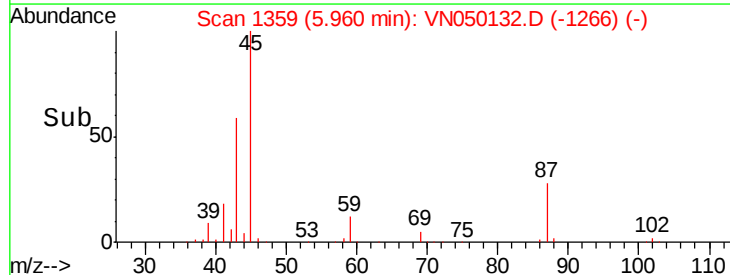
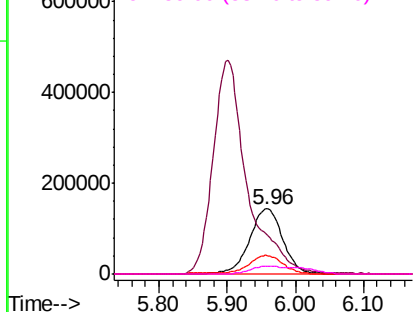


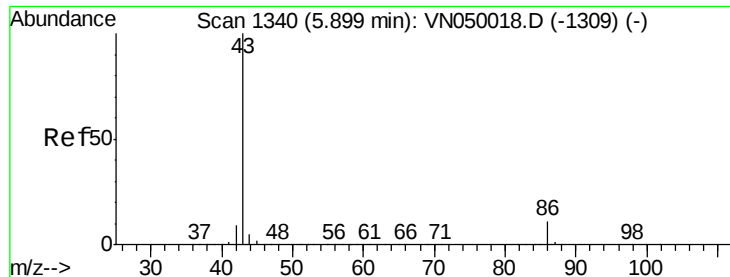
#22
Diisopropyl ether
Concen: 19.20 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion: 45 Resp: 488174
Ion Ratio Lower Upper
45 100
43 57.8 45.7 68.5
87 28.2 22.7 34.1
59 12.0 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 91.06 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

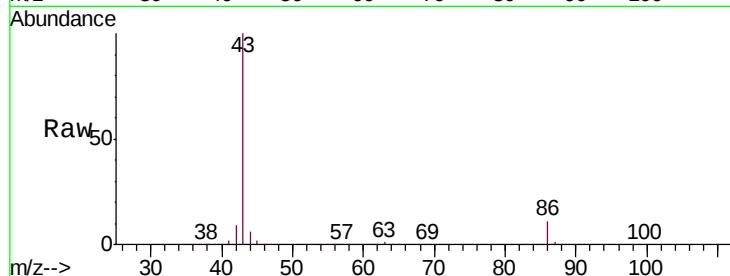
VN0727WBS02

Tot Ion: 43 Resp: 1636081

Ion Ratio Lower Upper

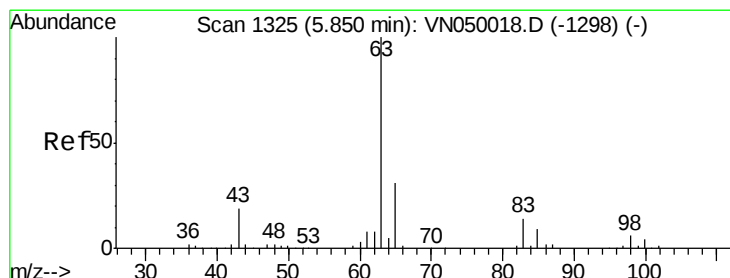
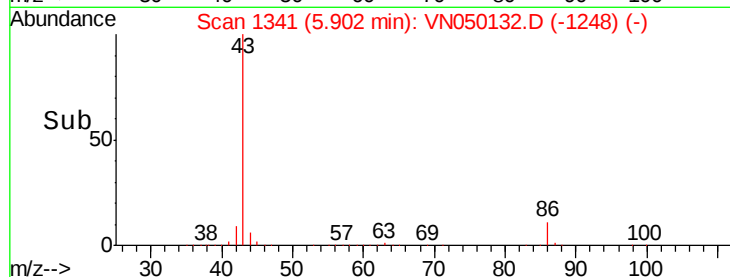
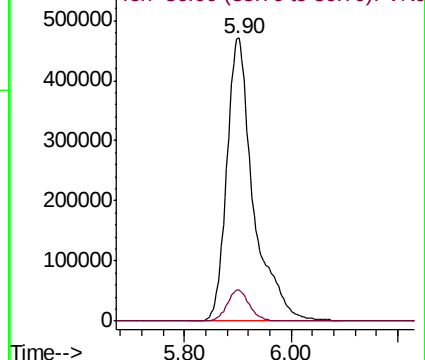
43 100

86 10.8 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 17.99 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

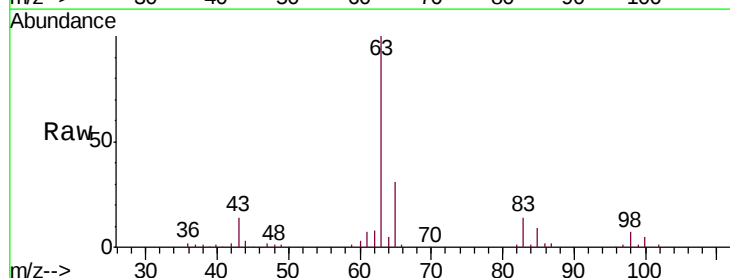
Tgt Ion: 63 Resp: 299131

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

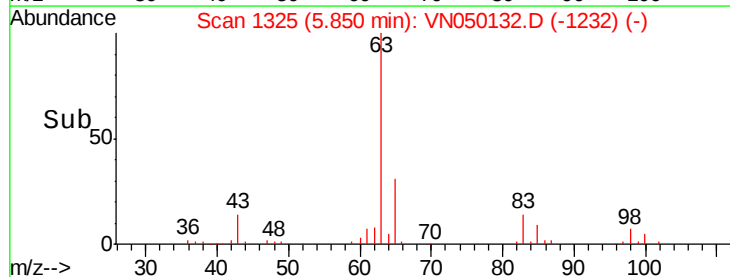
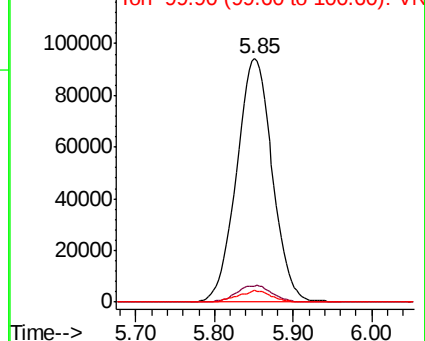
100 4.7 2.1 6.3

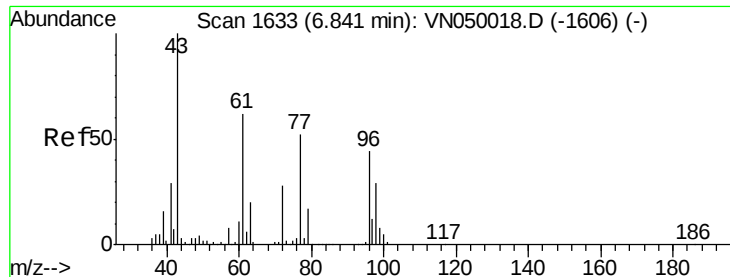


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 92.39 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

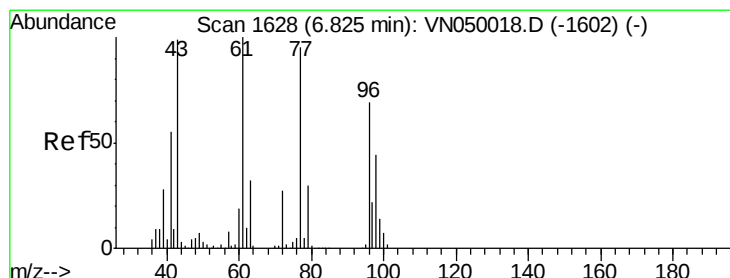
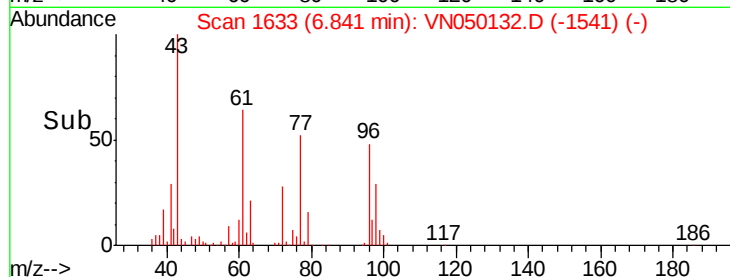
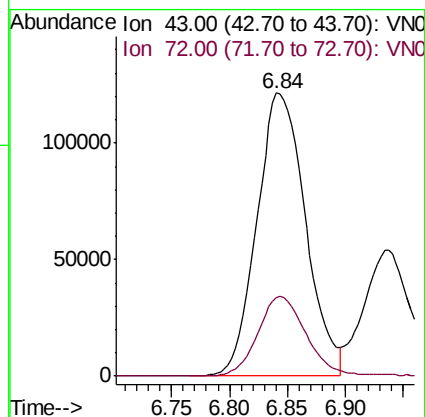
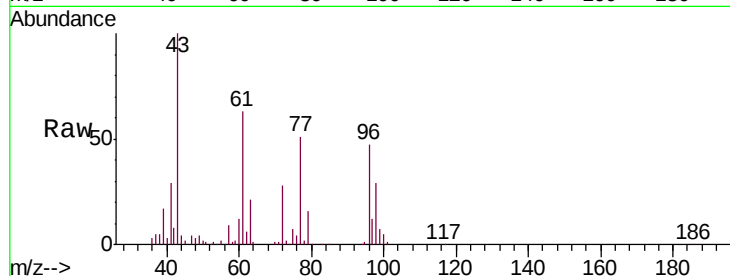
VN0727WBS02

Tot Ion: 43 Resp: 352770

Ion Ratio Lower Upper

43 100

72 28.0 21.5 32.3



#26

2,2-Dichloropropane

Concen: 19.28 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050132.D

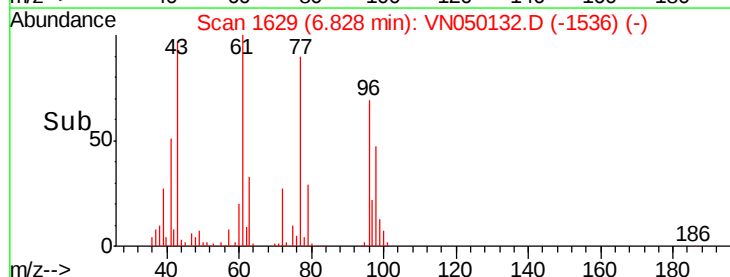
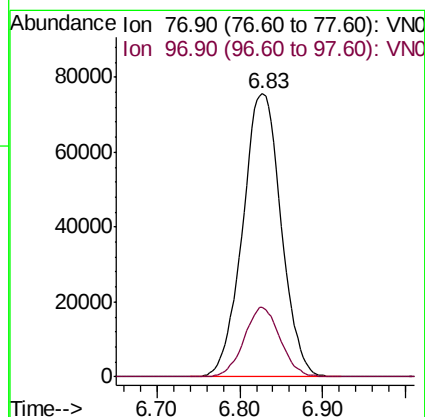
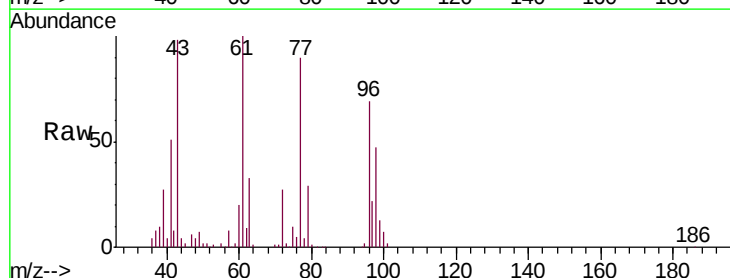
Acq: 27 Jul 2018 16:13

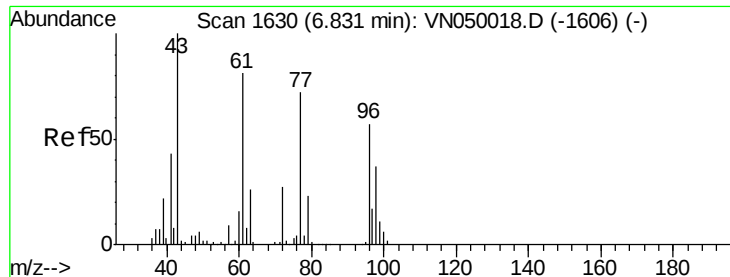
Tgt Ion: 77 Resp: 243827

Ion Ratio Lower Upper

77 100

97 23.1 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.12 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS02

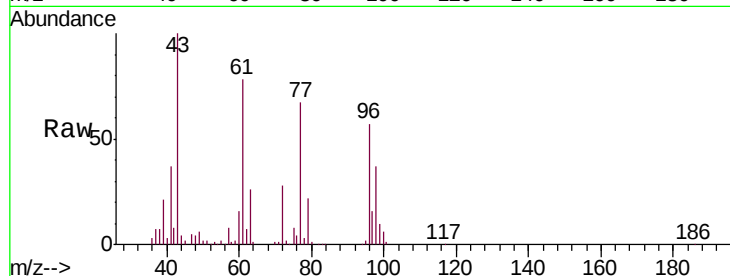
Tot Ion: 96 Resp: 180381

Ion Ratio Lower Upper

96 100

61 140.4 0.0 285.0

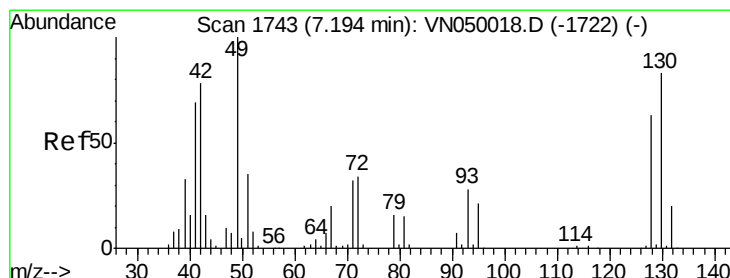
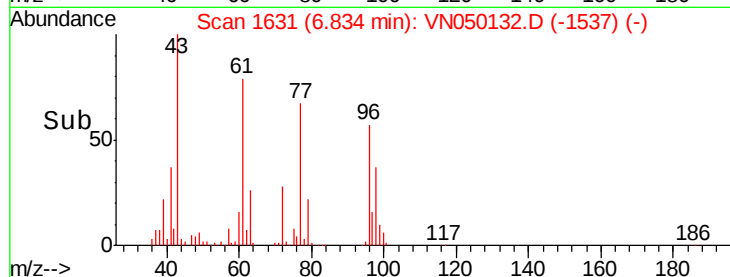
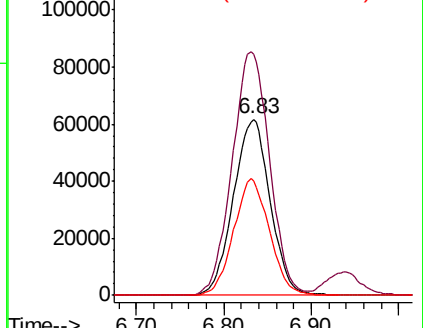
98 64.4 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.58 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

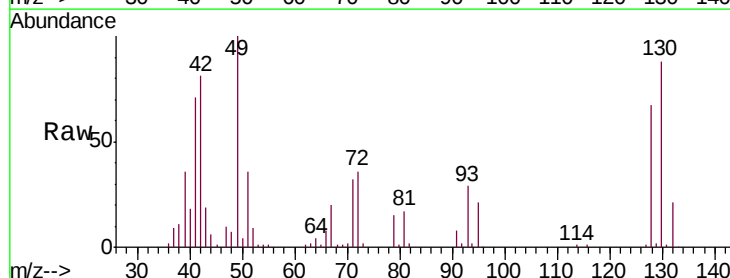
Tgt Ion: 49 Resp: 140854

Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.0

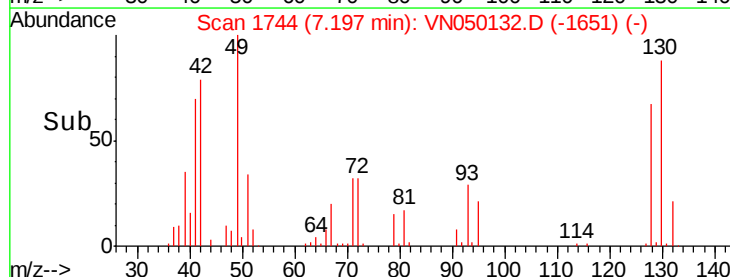
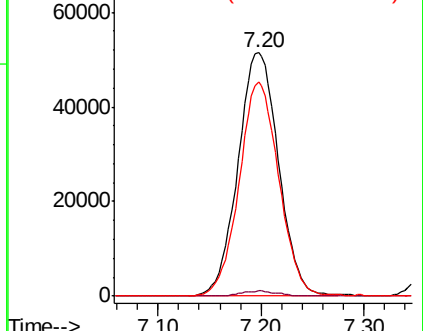
130 86.1 66.3 99.5

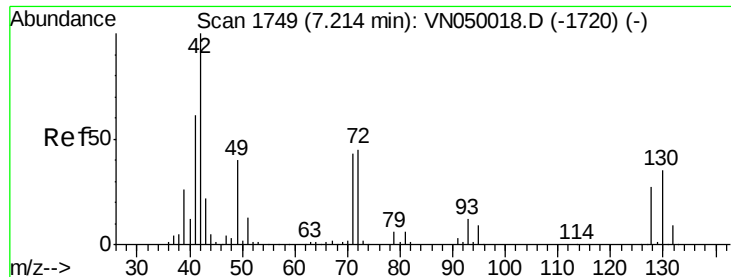


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

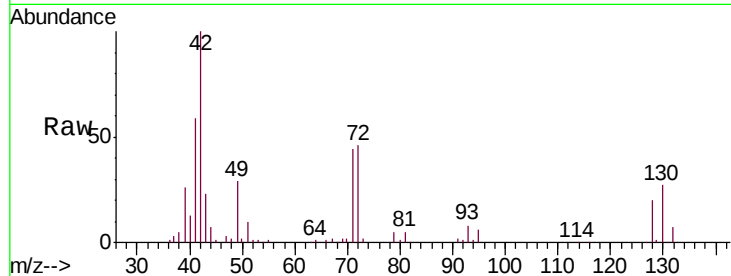




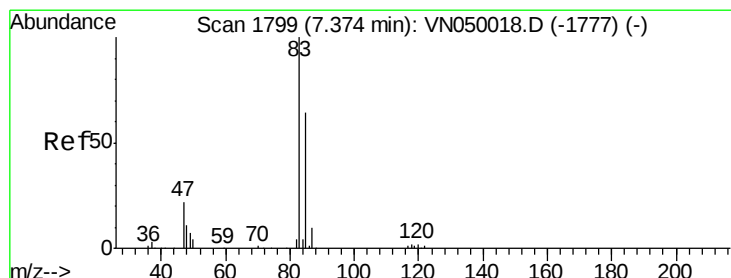
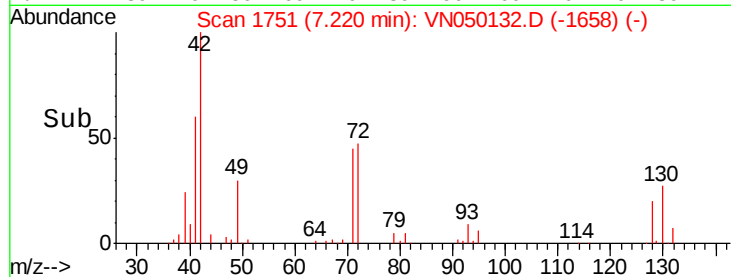
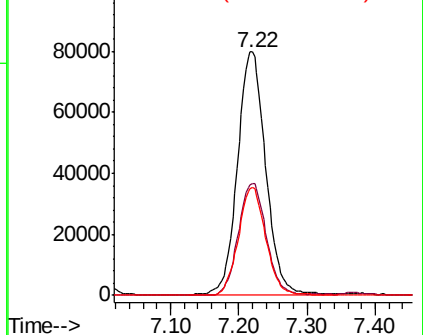
#29
Tetrahydrofuran
Concen: 92.63 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Instrument :
MSVOA_N
ClientSampled :
VN0727WBS02

Tot Ion: 42 Resp: 228540
Ion Ratio Lower Upper
42 100
72 45.7 35.9 53.9
71 43.0 33.7 50.5

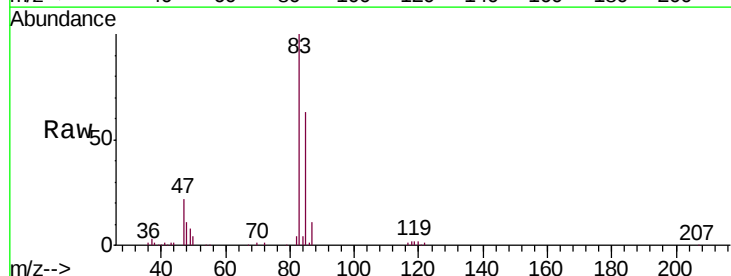


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

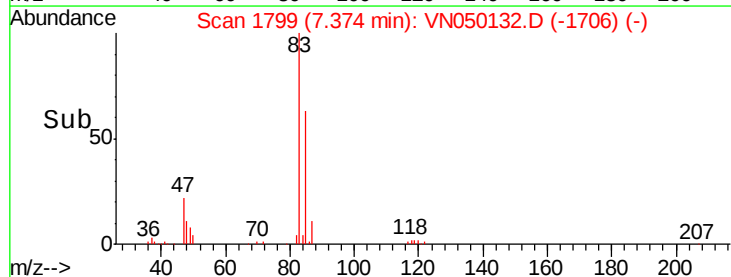
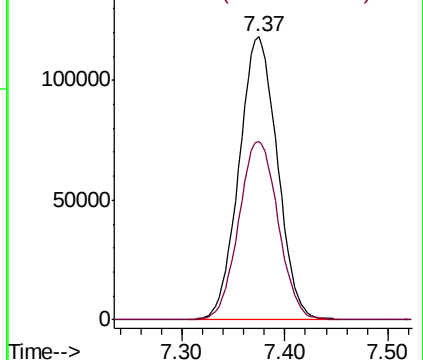


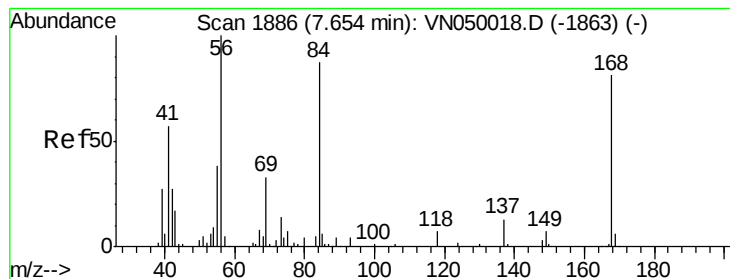
#30
Chloroform
Concen: 18.00 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion: 83 Resp: 305394
Ion Ratio Lower Upper
83 100
85 63.2 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.40 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS02

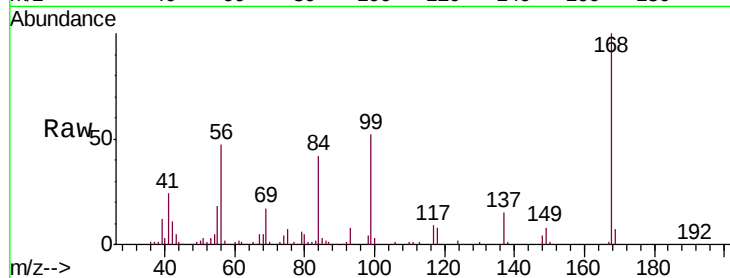
Tot Ion: 56 Resp: 254274

Ion Ratio Lower Upper

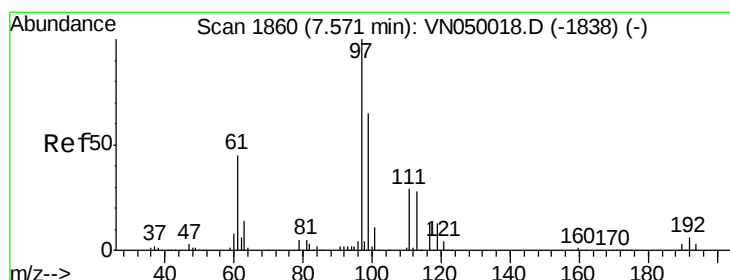
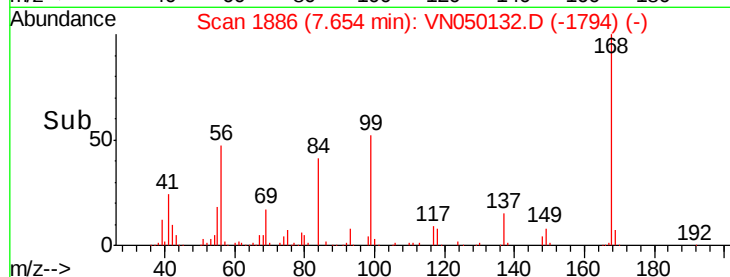
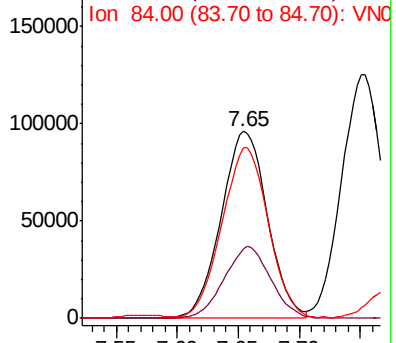
56 100

69 37.2 26.2 39.4

84 89.6 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.23 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

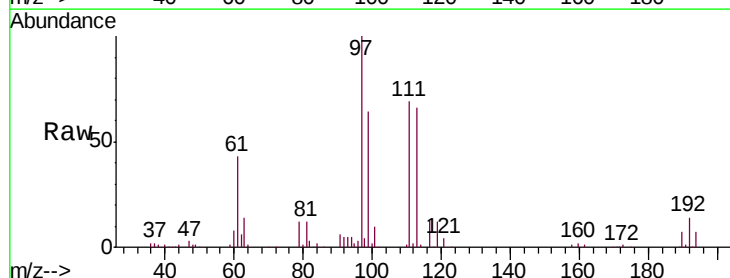
Tgt Ion: 97 Resp: 264538

Ion Ratio Lower Upper

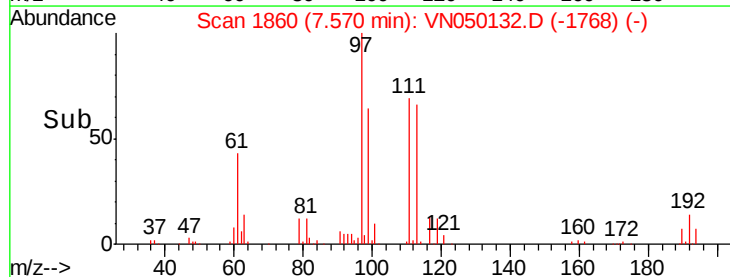
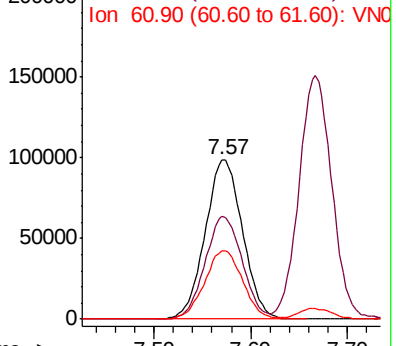
97 100

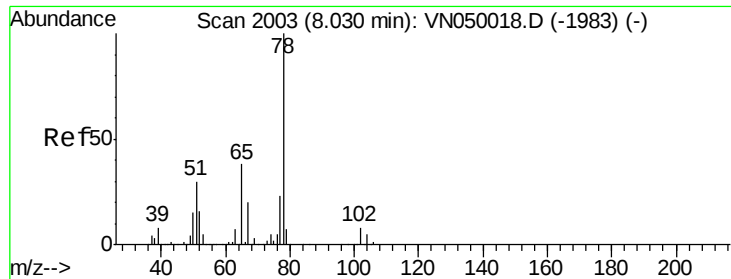
99 64.2 51.4 77.0

61 43.8 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 47.00 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

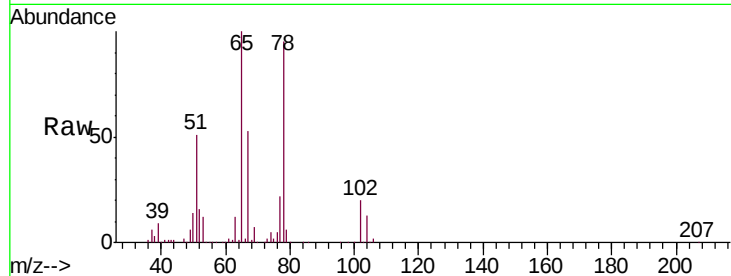
VN0727WBS02

Tot Ion: 65 Resp: 470476

Ion Ratio Lower Upper

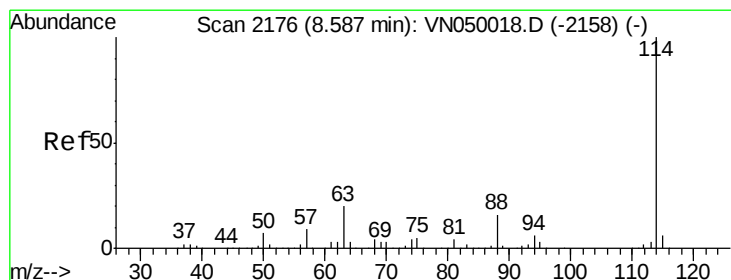
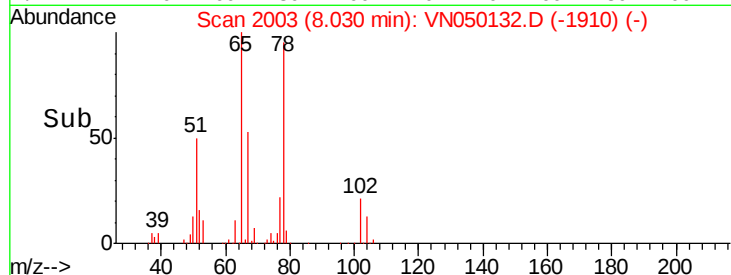
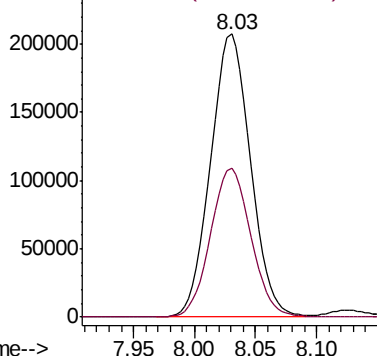
65 100

67 53.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

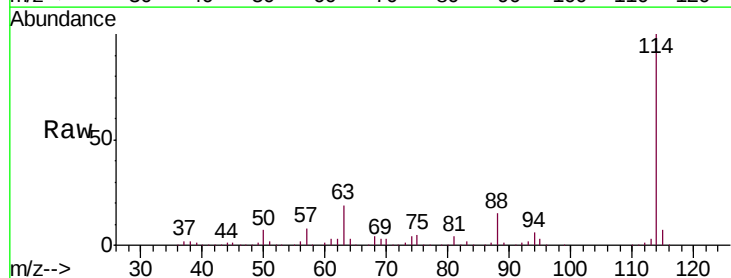
Tgt Ion: 114 Resp: 1051694

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

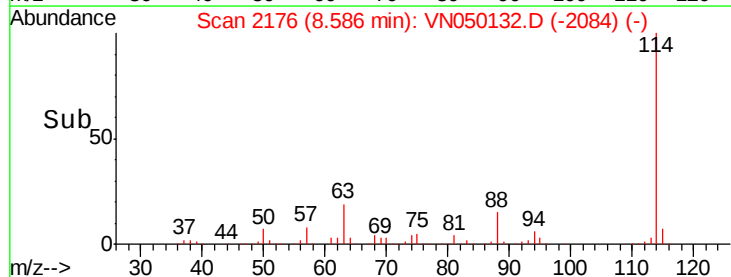
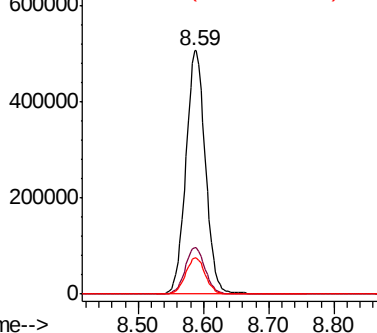
88 15.0 0.0 31.2

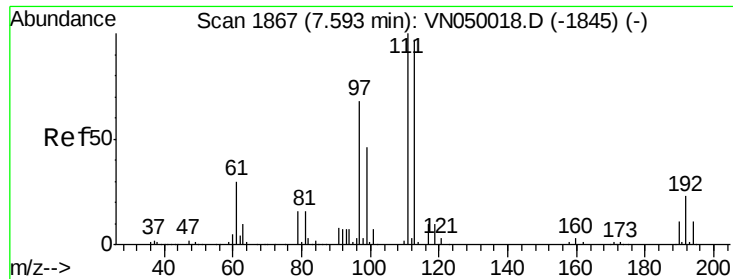


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

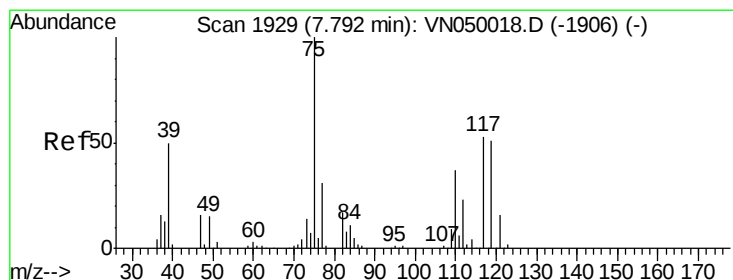
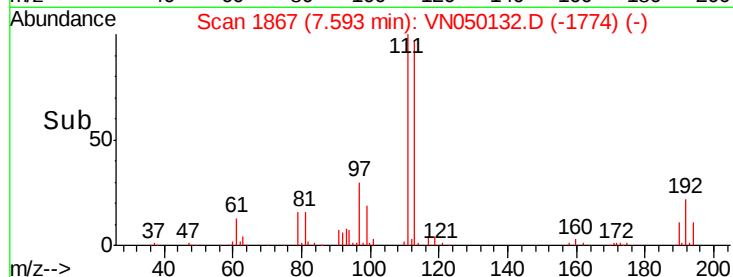
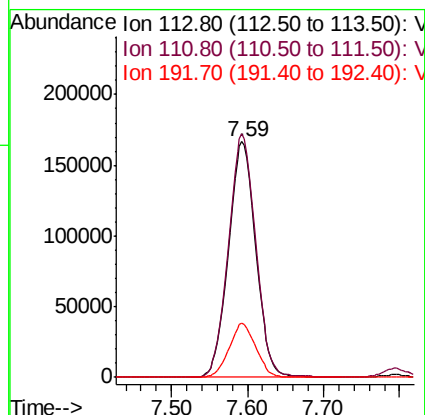
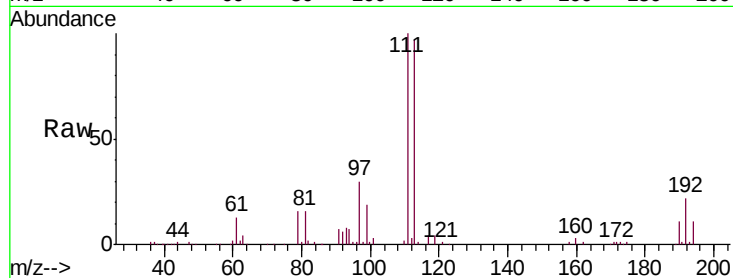




#35
 Dibromofluoromethane
 Concen: 48.63 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

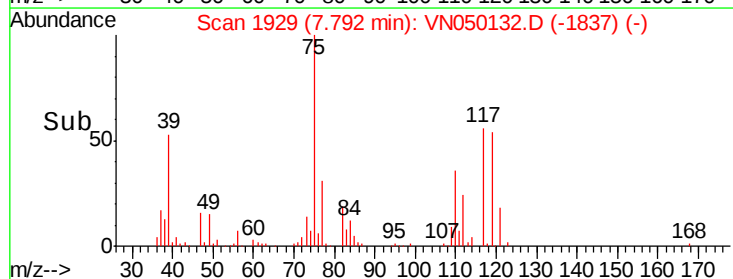
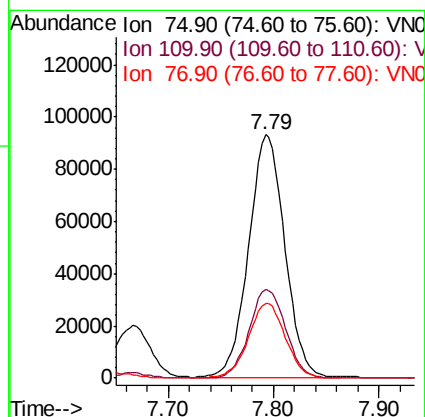
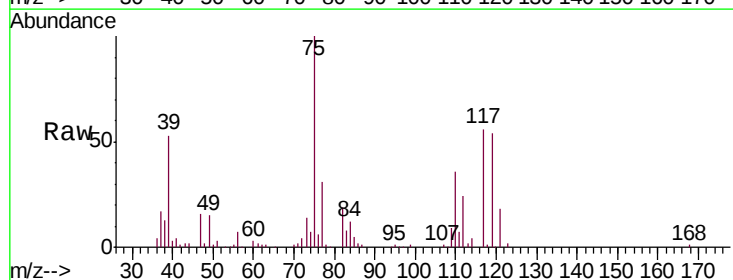
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

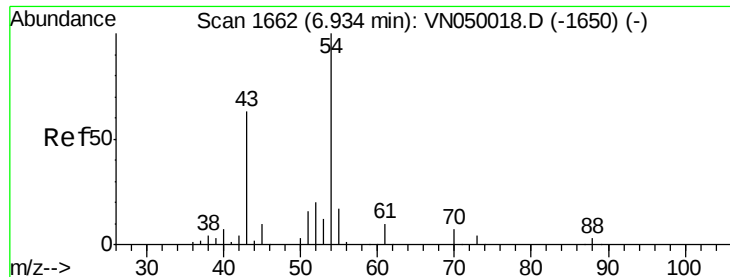
Tot Ion:113 Resp: 417618
 Ion Ratio Lower Upper
 113 100
 111 103.1 80.7 121.1
 192 22.3 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 18.70 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Tgt Ion: 75 Resp: 221590
 Ion Ratio Lower Upper
 75 100
 110 36.8 18.4 55.2
 77 31.6 25.3 37.9

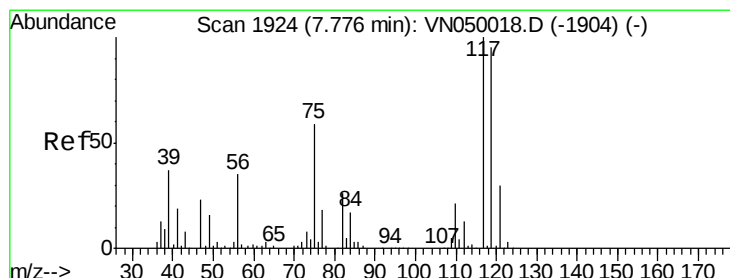
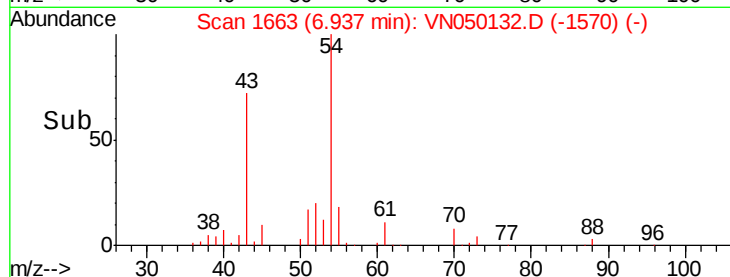
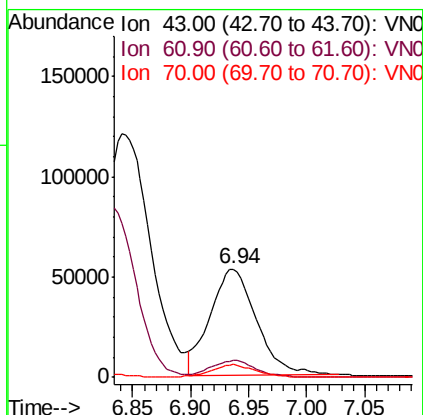
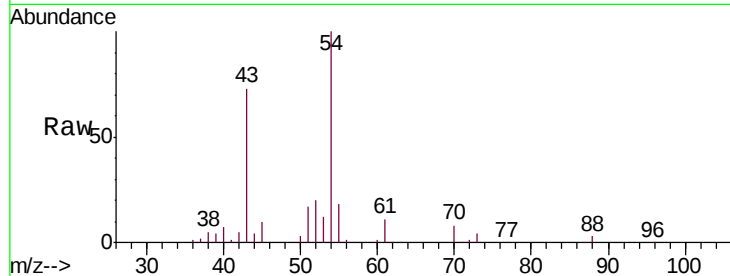




#37
Ethyl Acetate
Concen: 17.97 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

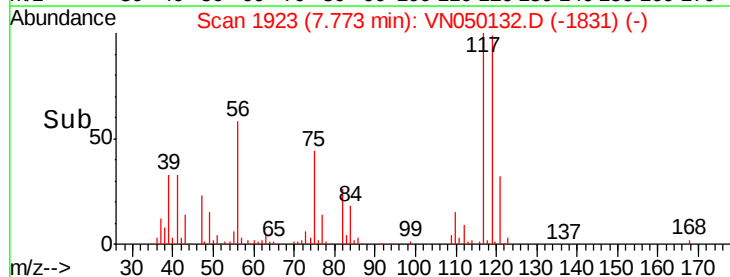
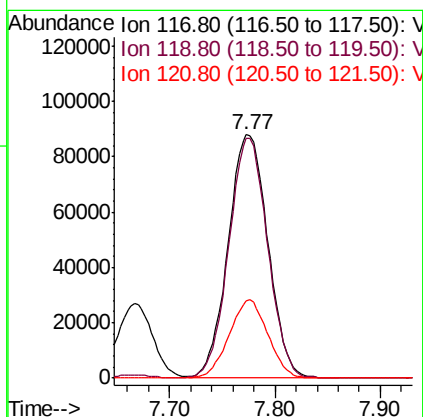
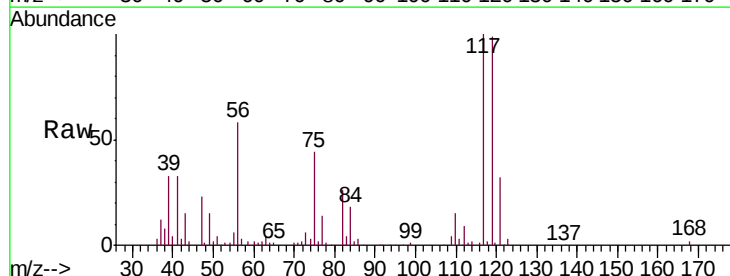
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

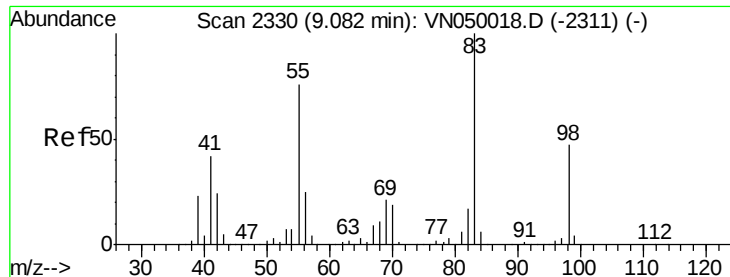
Tot Ion: 43 Resp: 148445
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.8
70 11.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.31 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion: 117 Resp: 230261
Ion Ratio Lower Upper
117 100
119 98.5 77.4 116.0
121 31.7 23.9 35.9

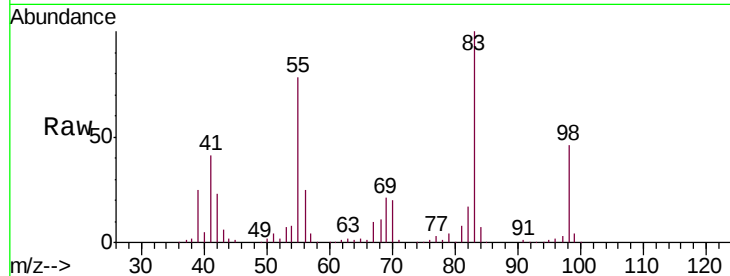




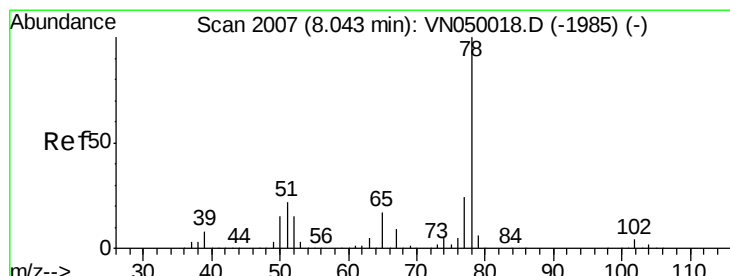
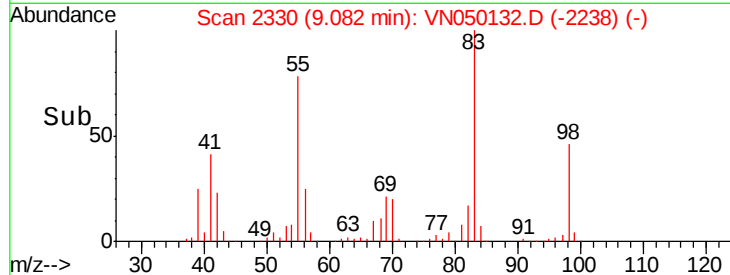
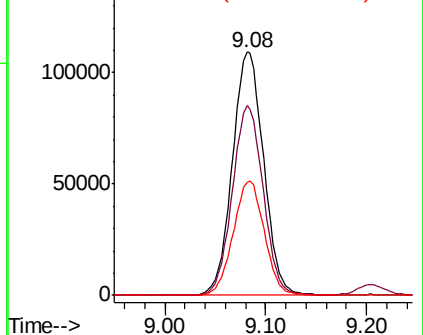
#39
Methvlcvclohexane
Concen: 19.29 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

Tot Ion	83	Resp	235187
Ion Ratio	Lower	Upper	
83	100		
55	77.7	61.8	92.8
98	46.4	36.5	54.7

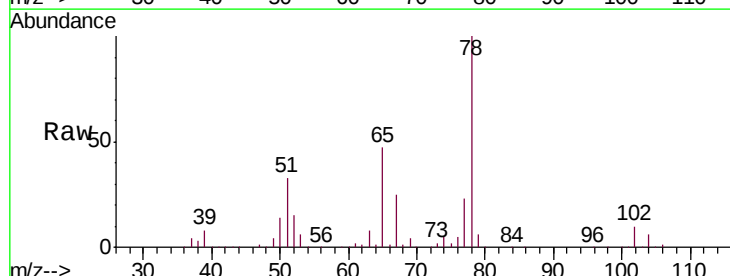


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

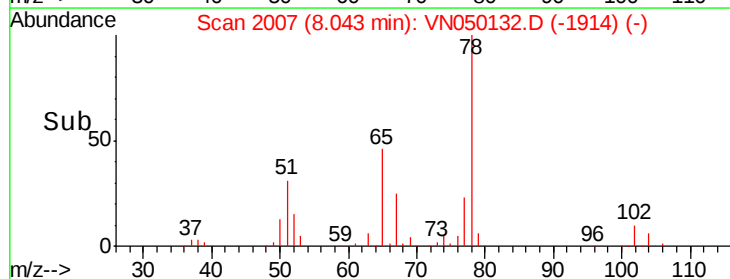
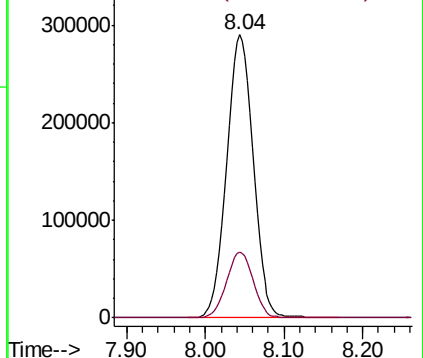


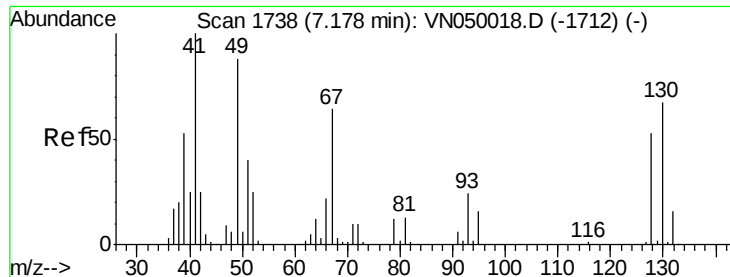
#40
Benzene
Concen: 18.85 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion	78	Resp	679467
Ion Ratio	Lower	Upper	
78	100		
77	23.2	18.7	28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

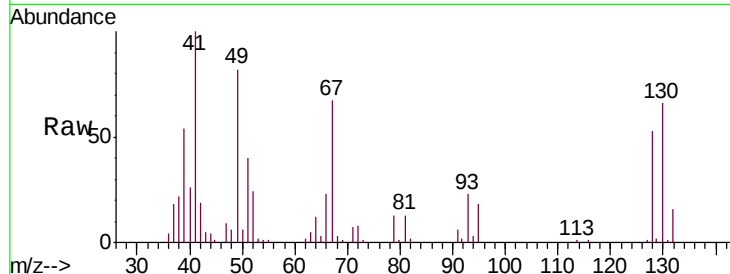




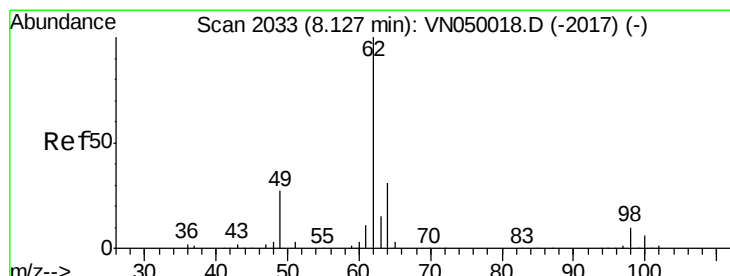
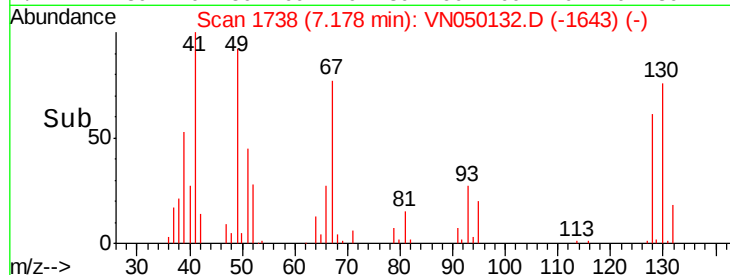
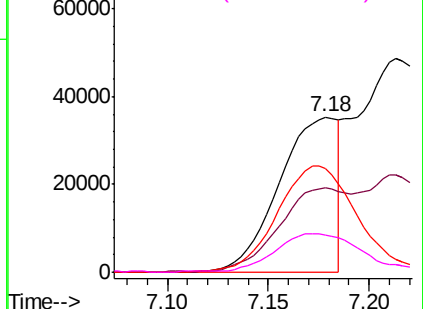
#41
Methacrylonitrile
Concen: 18.47 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

Tot Ion: 41 Resp: 71581
Ion Ratio Lower Upper
41 100
39 63.7 55.8 83.6
67 93.8 84.3 126.5
52 37.9 34.2 51.2

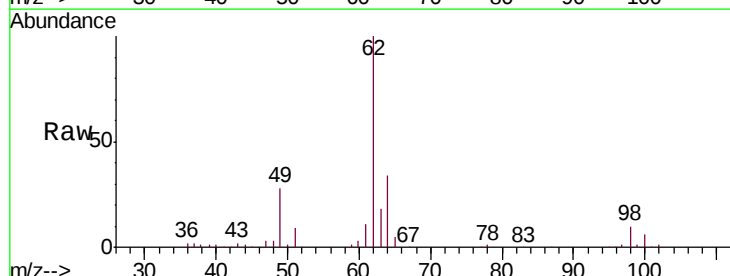


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

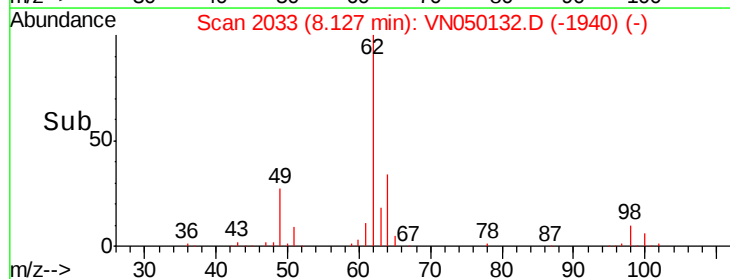
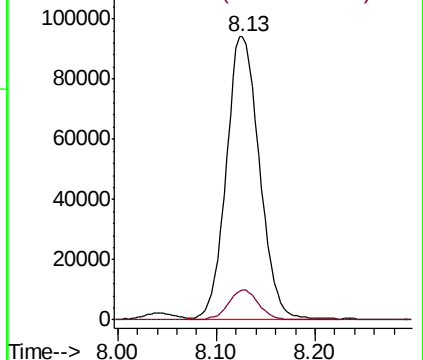


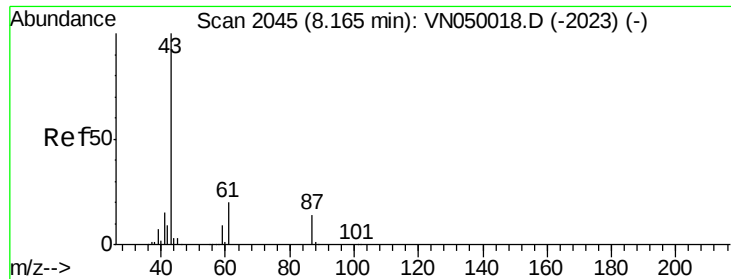
#42
1,2-Dichloroethane
Concen: 18.28 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion: 62 Resp: 219907
Ion Ratio Lower Upper
62 100
98 9.8 0.0 18.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



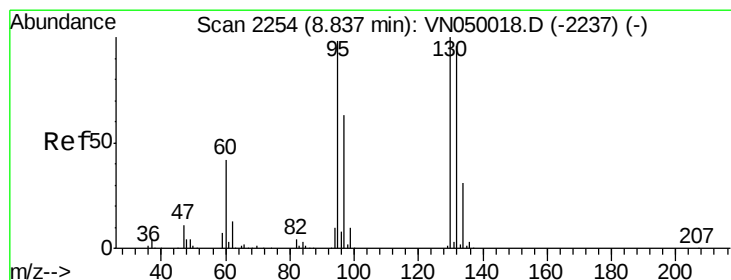
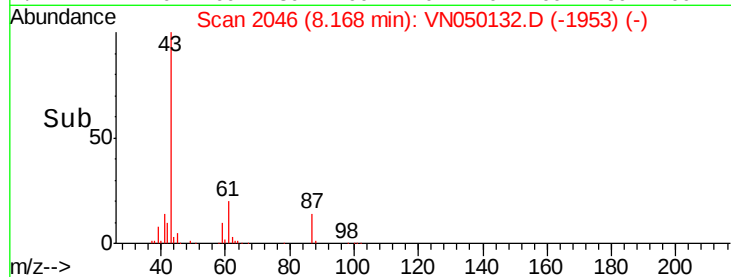
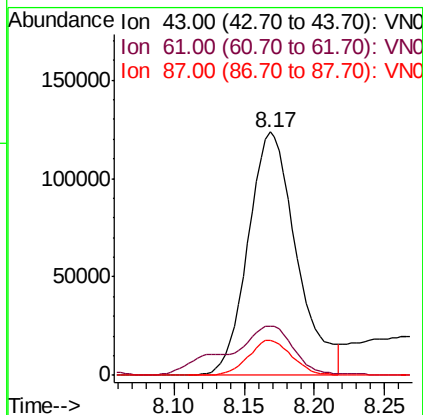
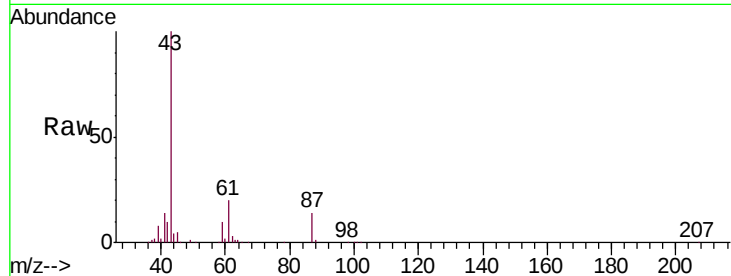


#43

Isopropyl Acetate
 Concen: 18.19 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

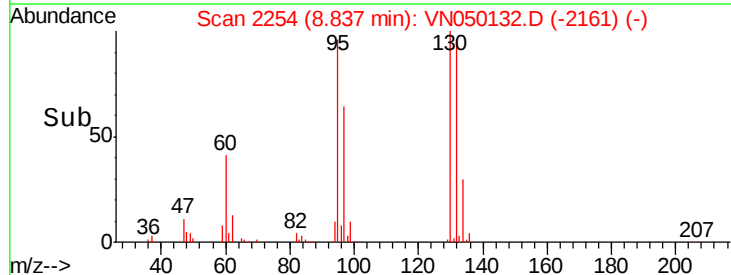
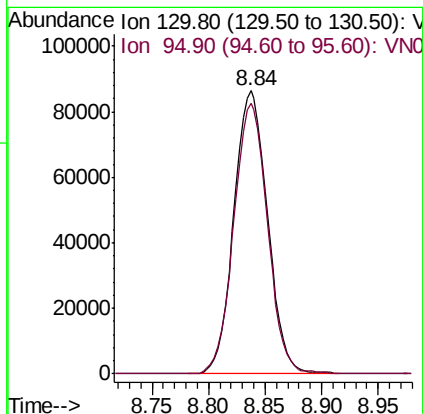
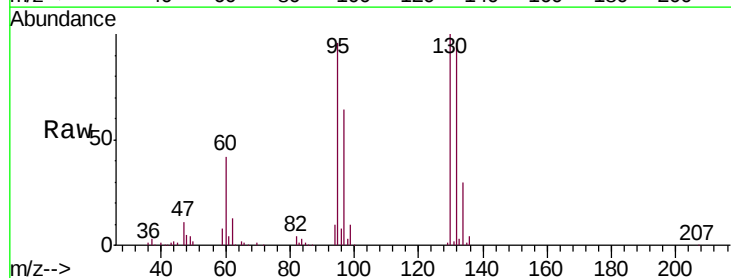
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.8	23.6
87	13.1	10.3	15.5

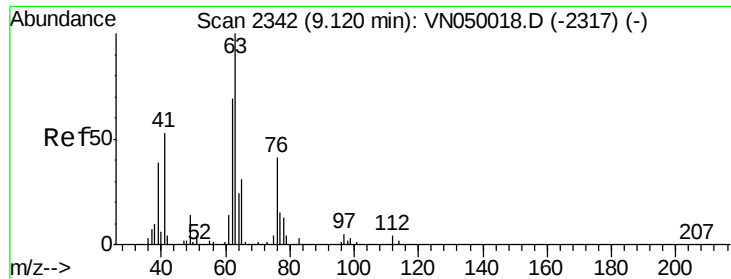


#44

Trichloroethene
 Concen: 18.54 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	194.6

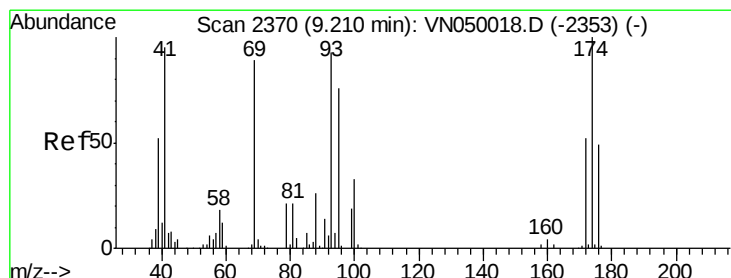
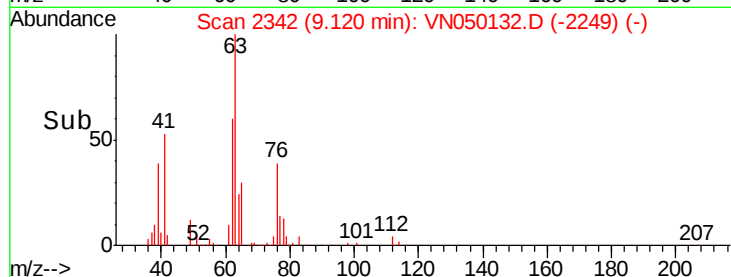
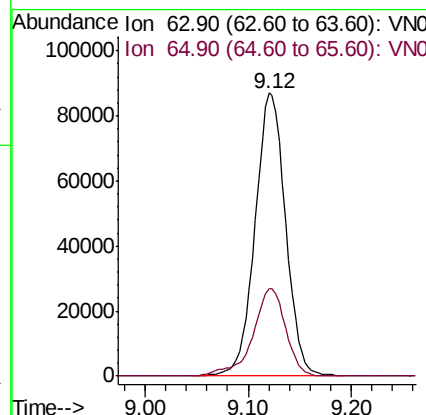
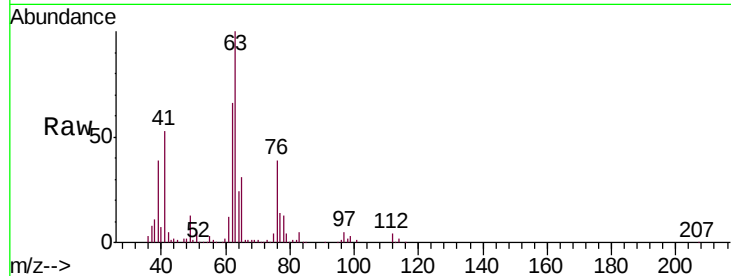




#45
 1,2-Dichloropropane
 Concen: 18.65 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

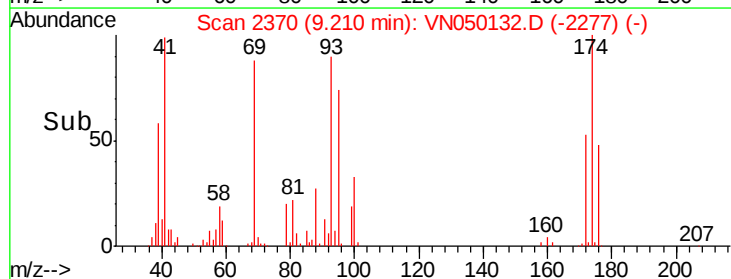
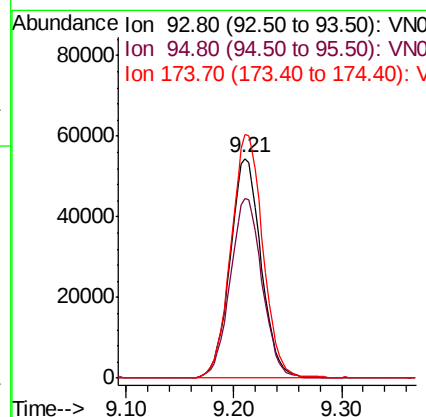
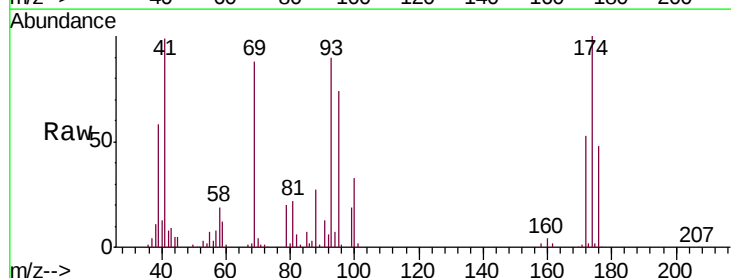
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

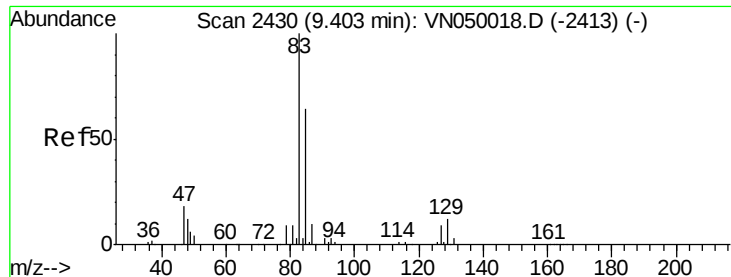
Tot Ion: 63 Resp: 178143
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.5 38.3



#46
 Dibromomethane
 Concen: 18.47 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Tgt Ion: 93 Resp: 109537
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.6 100.0
 174 113.9 87.1 130.7

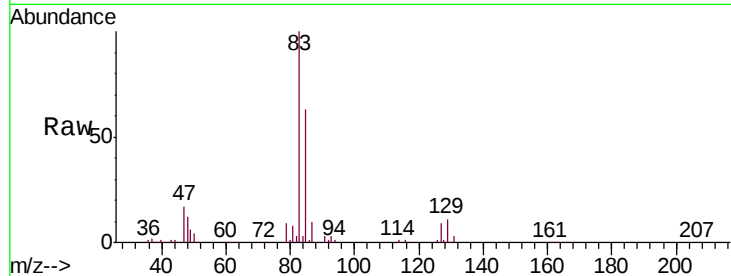




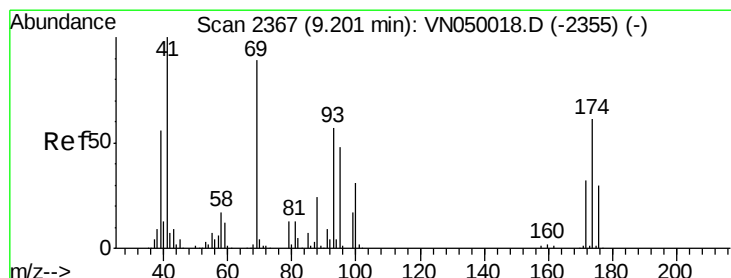
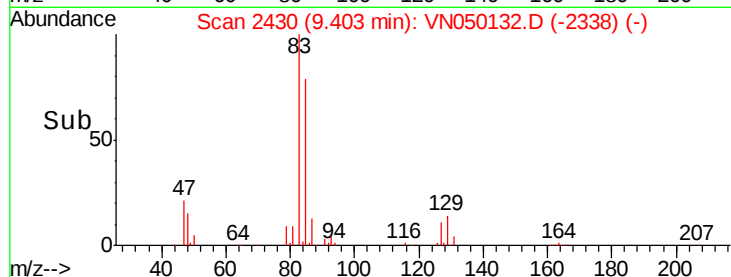
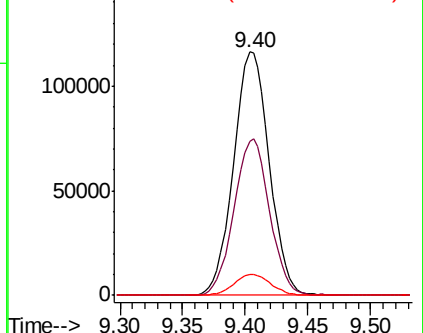
#47
Bromodichloromethane
Concen: 18.39 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

Tot Ion: 83 Resp: 230148
Ion Ratio Lower Upper
83 100
85 63.0 51.1 76.7
127 8.8 7.0 10.4

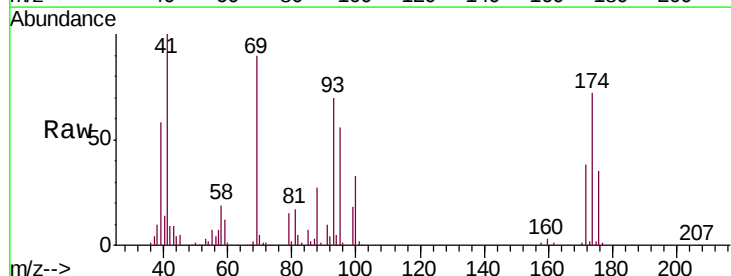


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

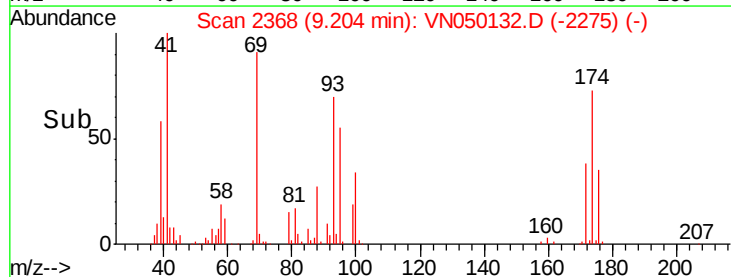
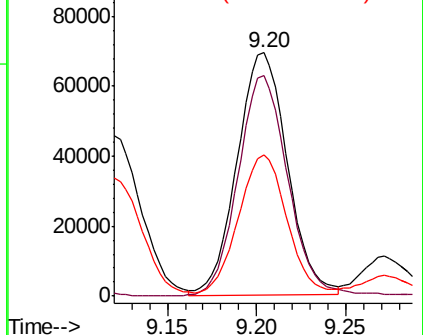


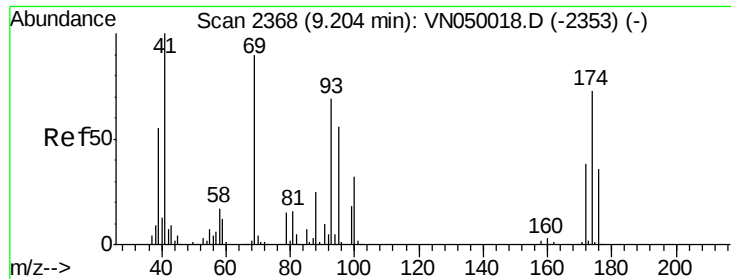
#48
Methyl methacrylate
Concen: 19.19 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion: 41 Resp: 136548
Ion Ratio Lower Upper
41 100
69 90.5 70.6 105.8
39 55.9 43.9 65.9



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 399.18 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS02

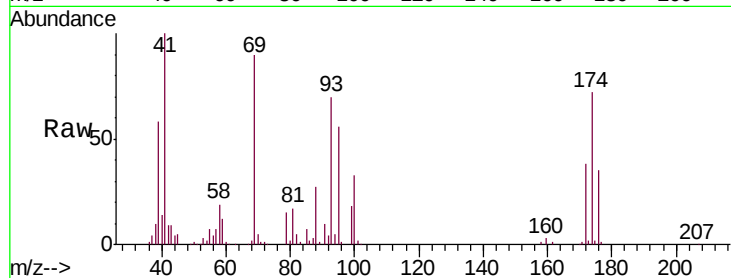
Tot Ion: 88 Resp: 38650

Ion Ratio Lower Upper

88 100

43 30.3 26.9 40.3

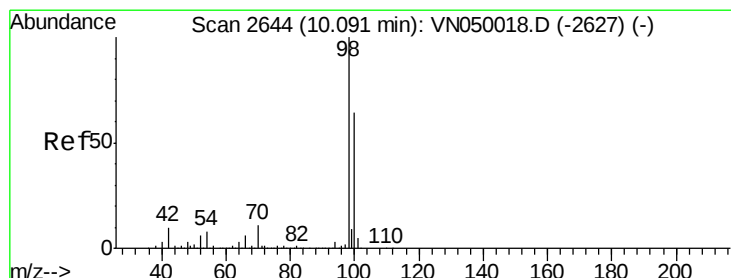
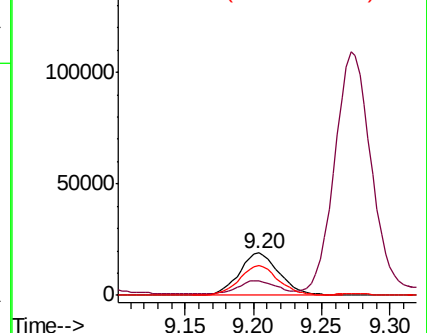
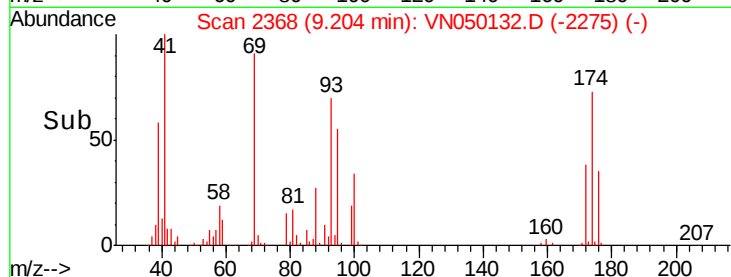
58 68.6 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.65 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050132.D

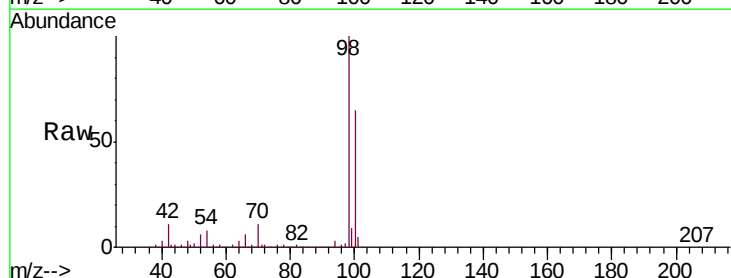
Acq: 27 Jul 2018 16:13

Tgt Ion: 98 Resp: 1535832

Ion Ratio Lower Upper

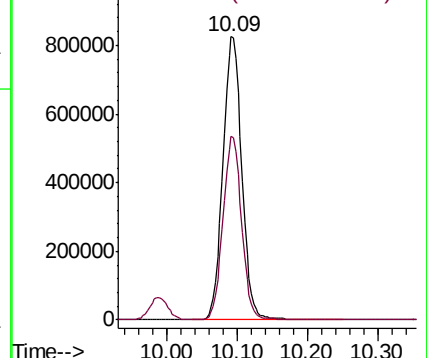
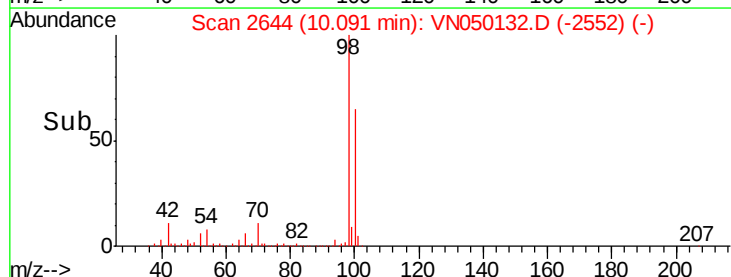
98 100

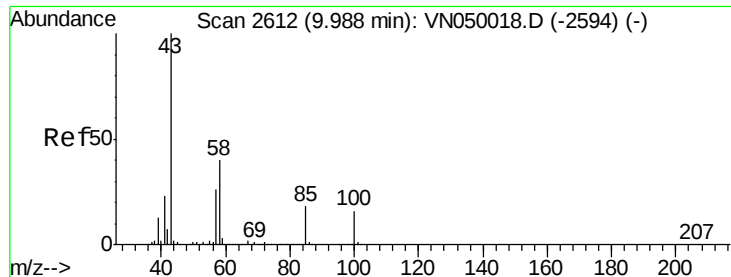
100 64.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

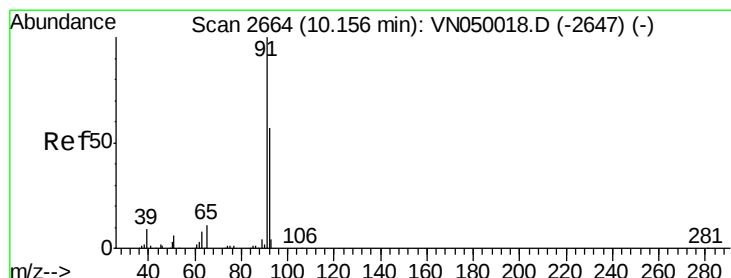
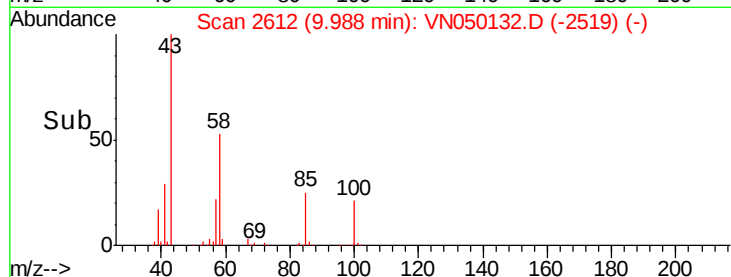
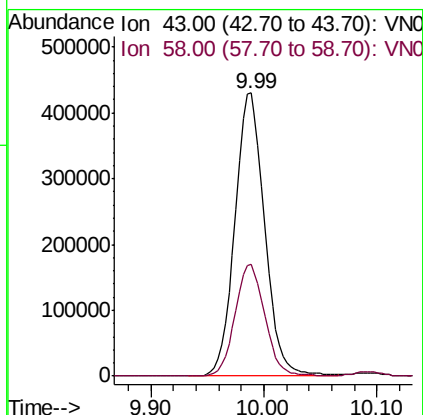
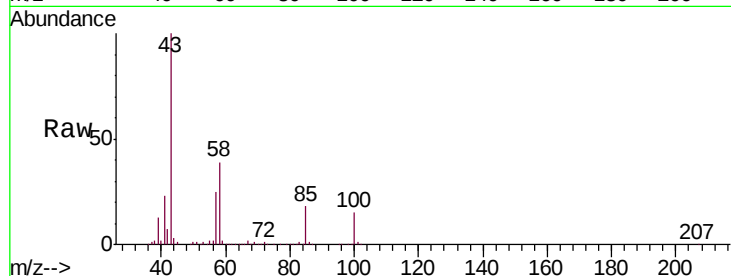




#51
4-Methyl-2-Pentanone
Concen: 96.75 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

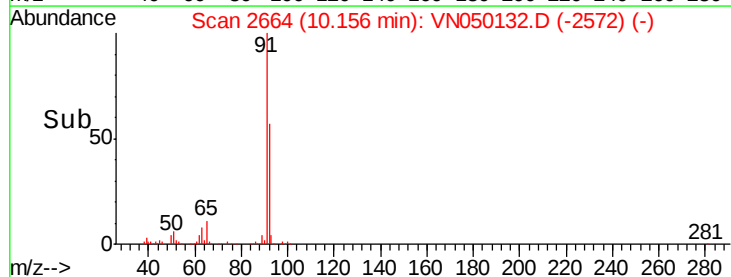
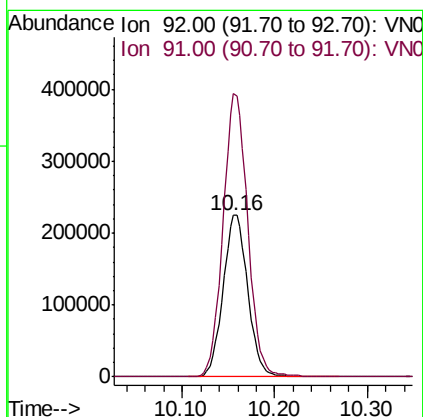
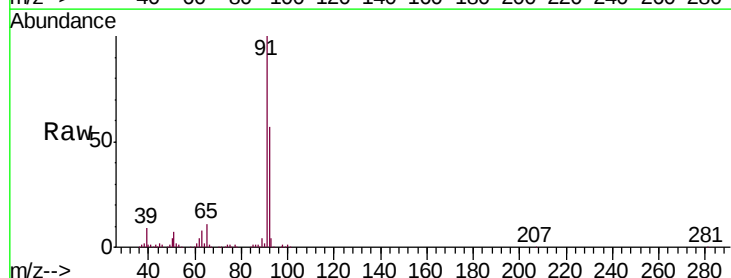
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

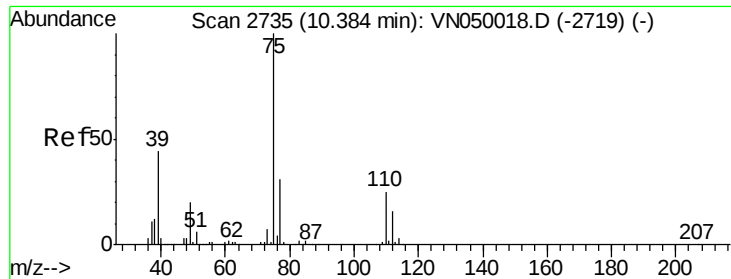
Tot Ion: 43 Resp: 785739
Ion Ratio Lower Upper
43 100
58 39.7 31.9 47.9



#52
Toluene
Concen: 19.46 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion: 92 Resp: 414177
Ion Ratio Lower Upper
92 100
91 175.6 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 19.27 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

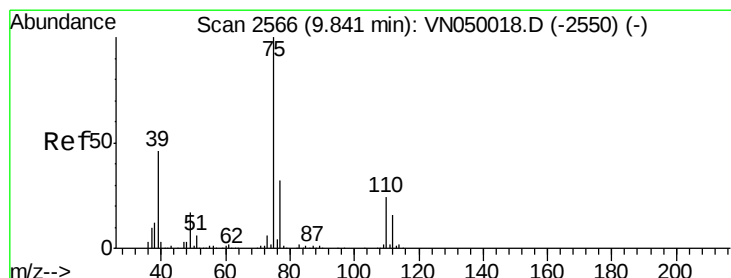
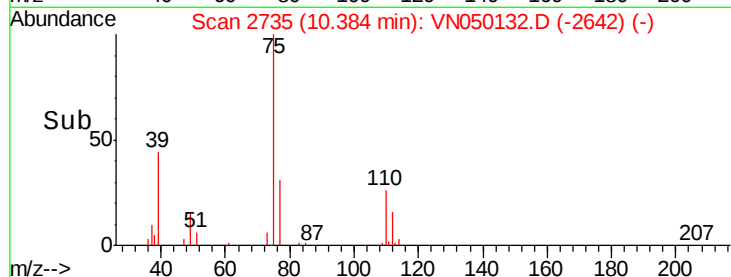
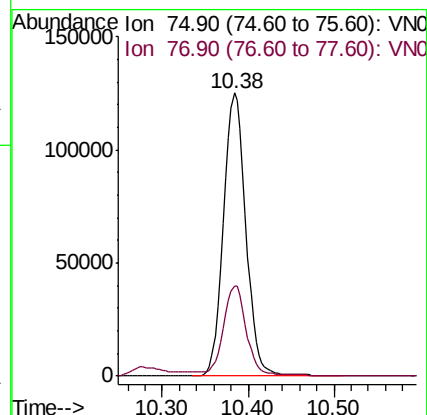
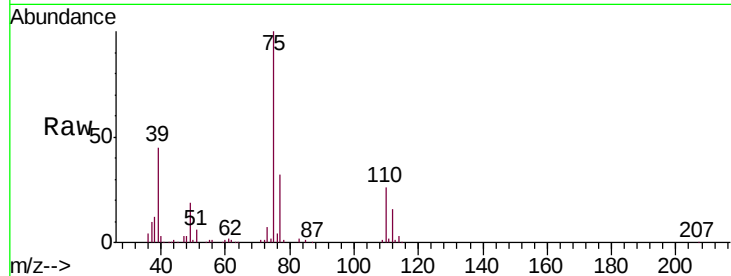
VN0727WBS02

Tot Ion: 75 Resp: 227569

Ion Ratio Lower Upper

75 100

77 31.6 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 19.20 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

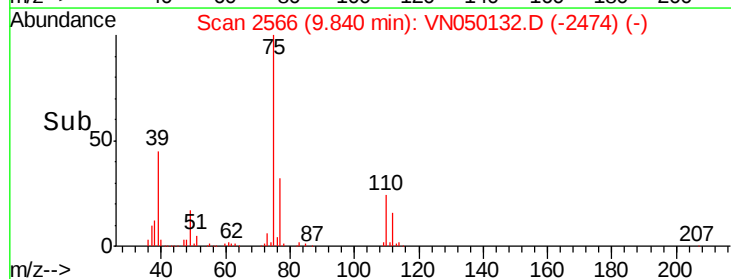
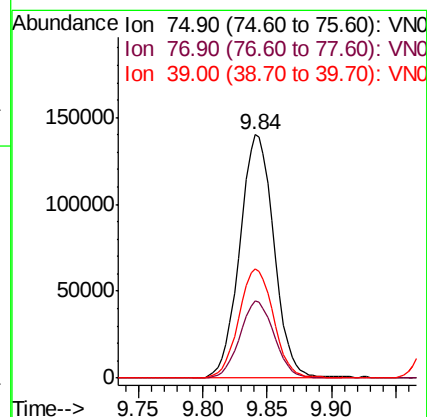
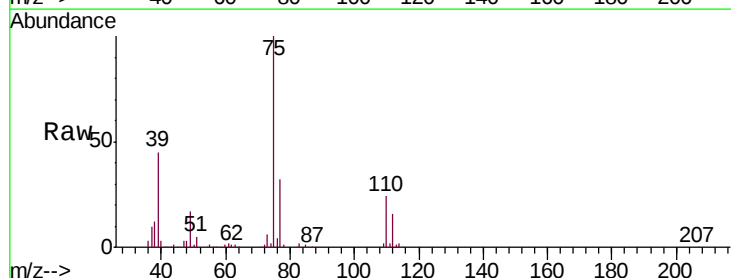
Tgt Ion: 75 Resp: 259084

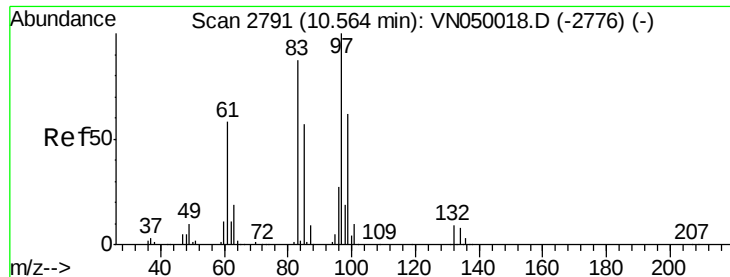
Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3

39 45.0 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 19.13 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampled :

VN0727WBS02

Tot Ion: 97 Resp: 161500

Ion	Ratio	Lower	Upper
97	100		
83	83.1	69.2	103.8
85	54.5	44.0	66.0
99	61.4	49.9	74.9

Abundance Ion 96.90 (96.60 to 97.60): VNO

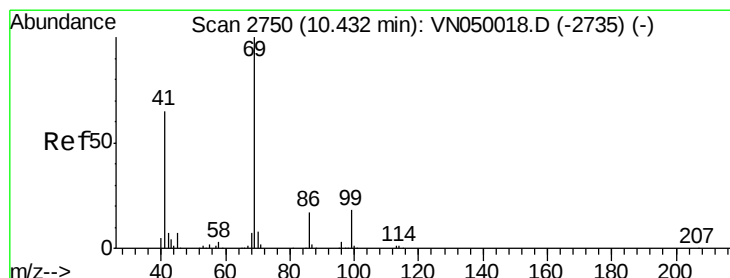
Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

10.56

Time-->



#56

Ethyl methacrylate

Concen: 18.49 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Tgt Ion: 69 Resp: 196228

Ion	Ratio	Lower	Upper
69	100		
41	62.8	51.0	76.4
39	34.3	26.6	40.0

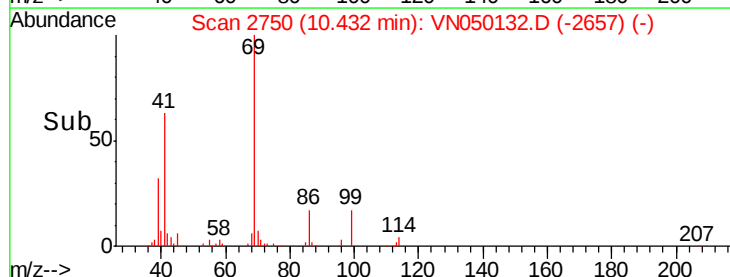
Abundance Ion 69.00 (68.70 to 69.70): VNO

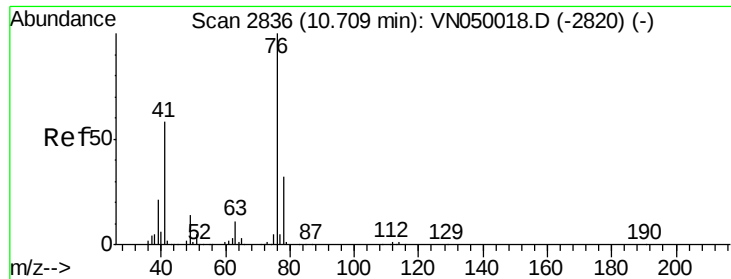
Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

10.43

Time-->

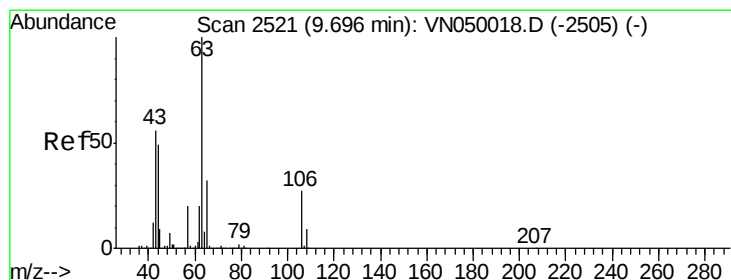
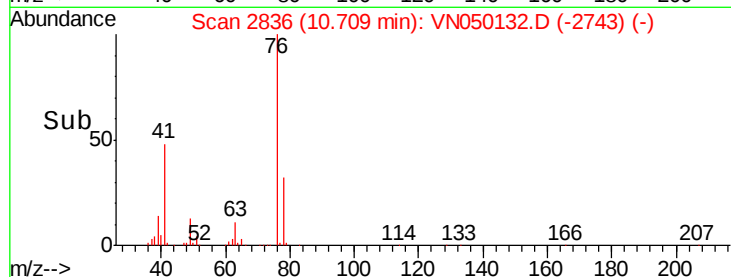
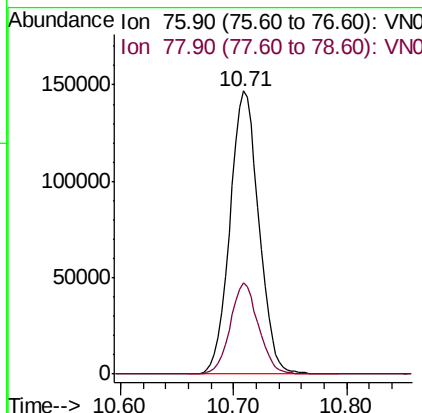
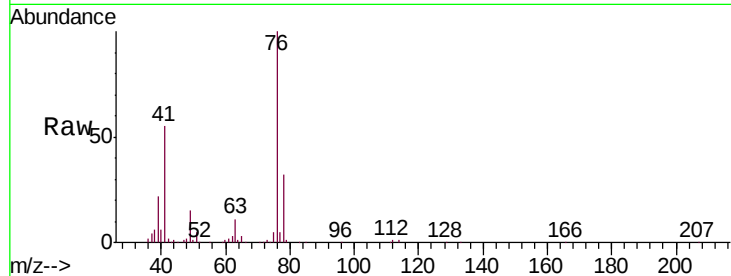




#57
 1,3-Dichloropropane
 Concen: 19.02 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

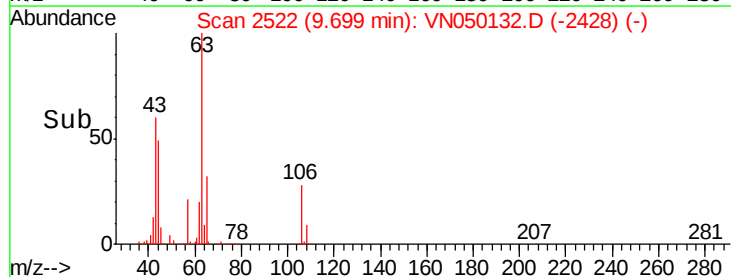
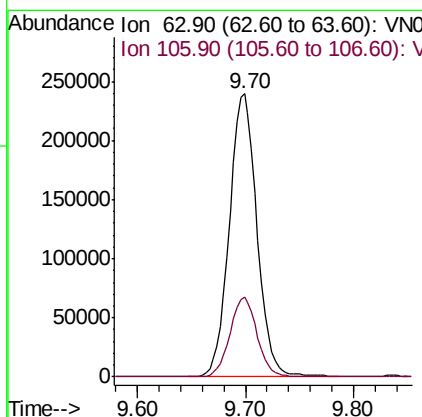
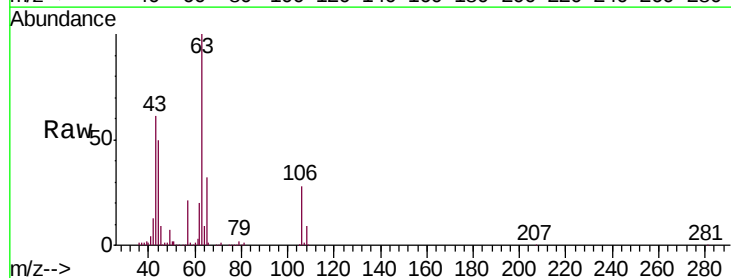
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

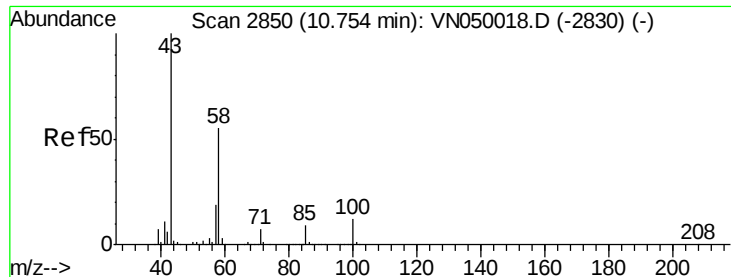
Tot Ion: 76 Resp: 261499
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.46 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Tgt Ion: 63 Resp: 425532
 Ion Ratio Lower Upper
 63 100
 106 27.8 21.7 32.5

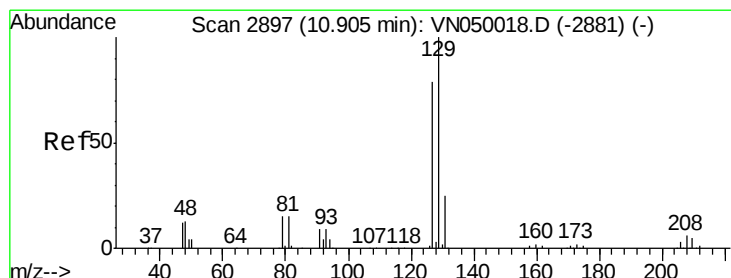
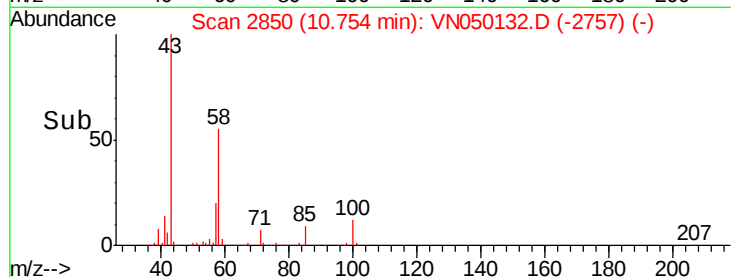
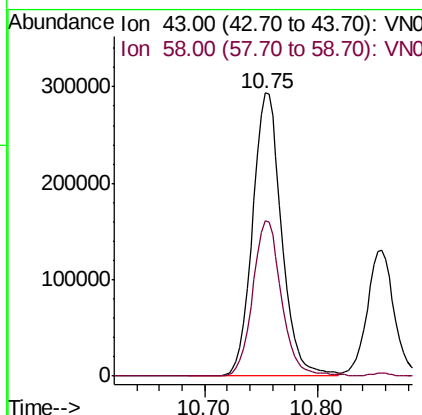
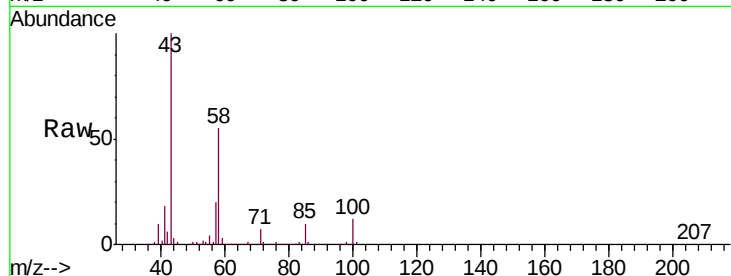




#59
2-Hexanone
Concen: 90.78 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

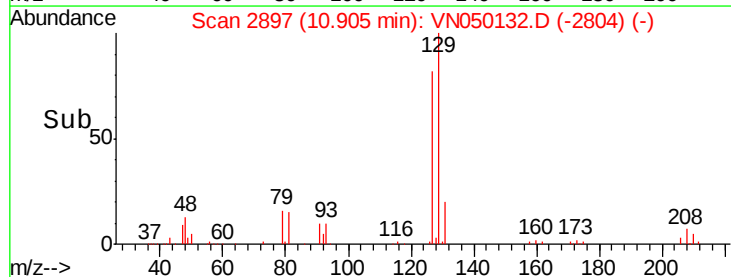
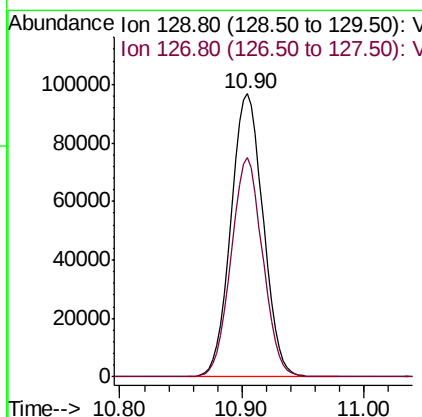
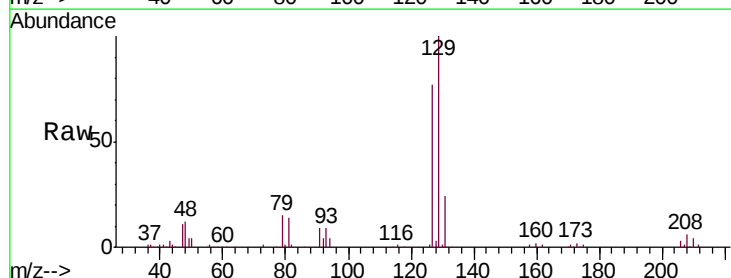
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

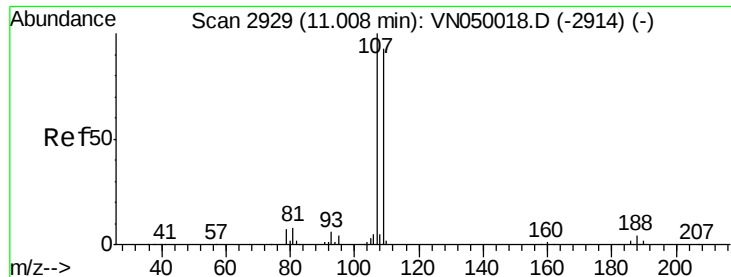
Tot Ion: 43 Resp: 521643
Ion Ratio Lower Upper
43 100
58 54.6 27.6 82.7



#60
Dibromochloromethane
Concen: 19.04 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion: 129 Resp: 178005
Ion Ratio Lower Upper
129 100
127 75.9 38.0 113.9

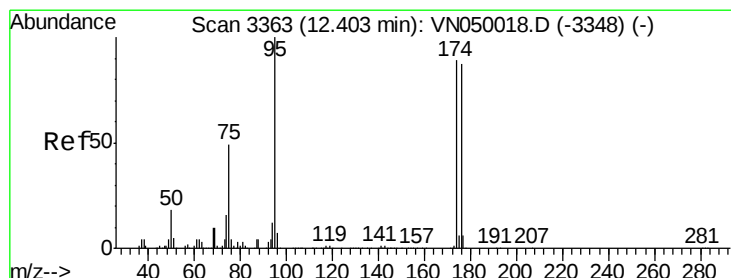
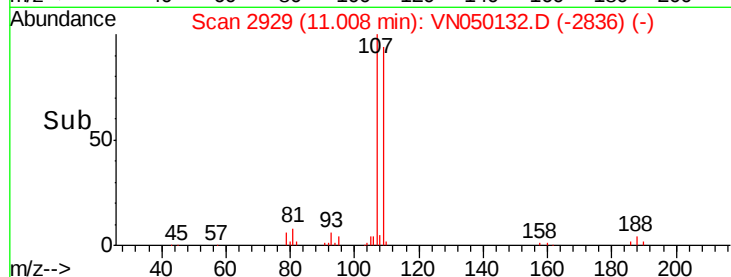
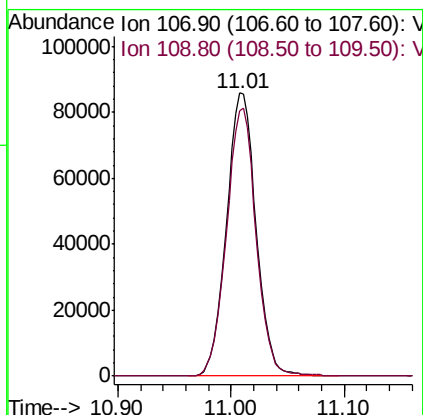
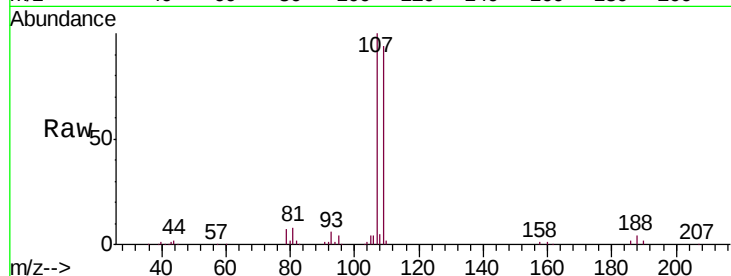




#61
 1,2-Dibromoethane
 Concen: 18.66 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

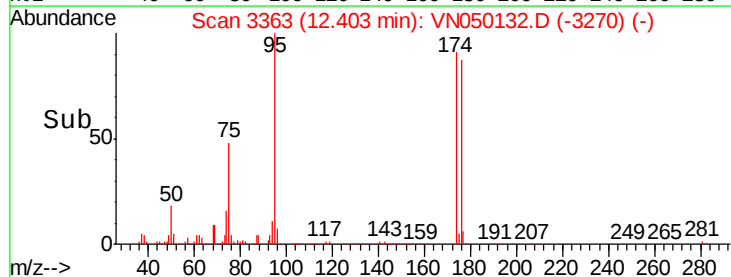
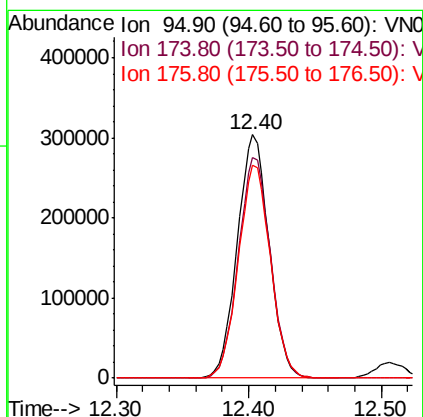
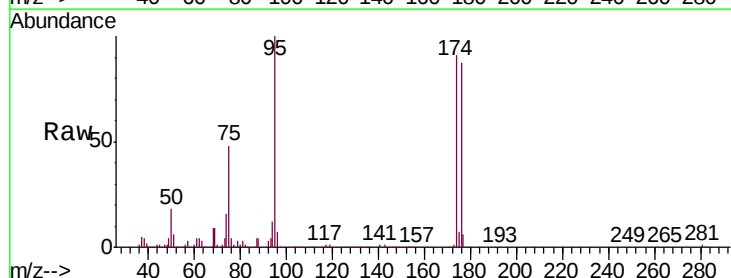
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

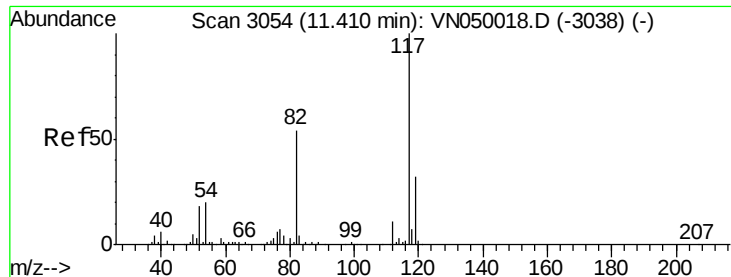
Tot Ion:107 Resp: 156302
 Ion Ratio Lower Upper
 107 100
 109 94.6 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 48.62 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Tgt Ion: 95 Resp: 505386
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 178.2
 176 88.3 0.0 173.4

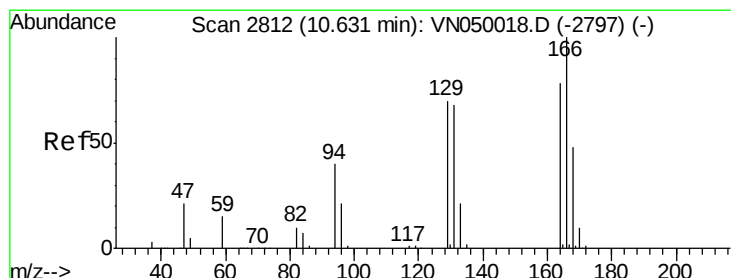
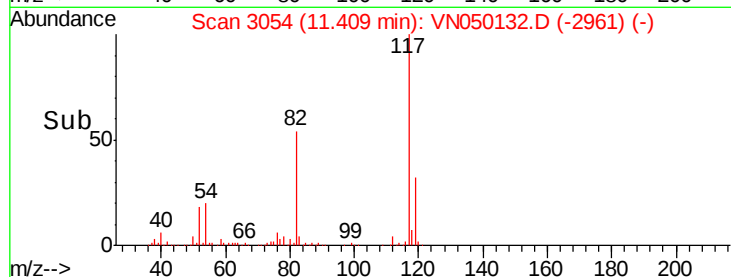
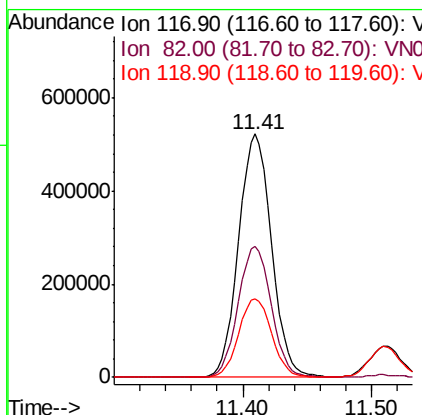
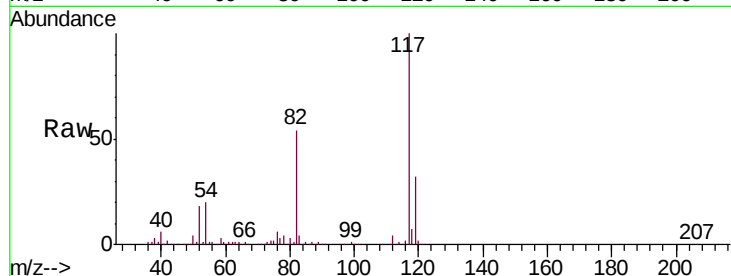




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

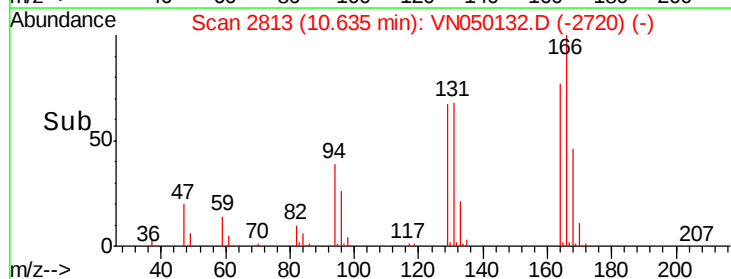
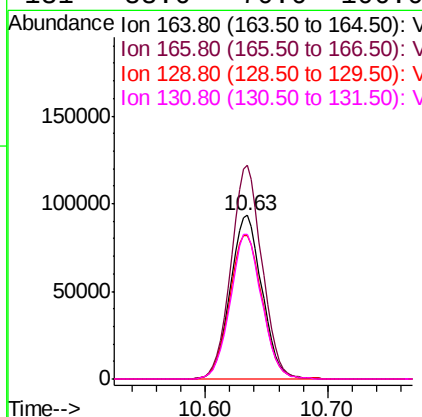
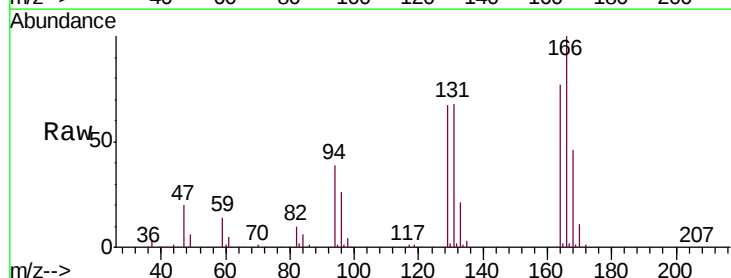
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

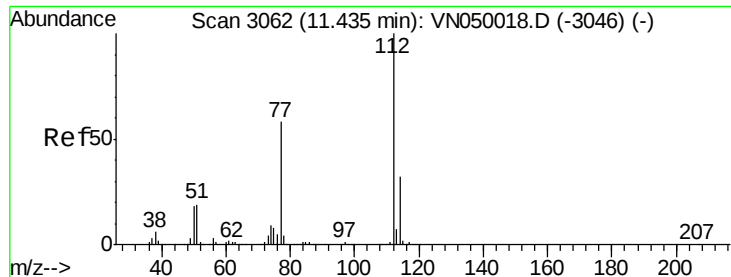
Tot Ion:117 Resp: 928324
Ion Ratio Lower Upper
117 100
82 53.9 43.7 65.5
119 32.4 26.1 39.1



#64
Tetrachloroethene
Concen: 18.93 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion:164 Resp: 168968
Ion Ratio Lower Upper
164 100
166 130.7 102.1 153.1
129 87.4 73.2 109.8
131 88.6 70.6 106.0

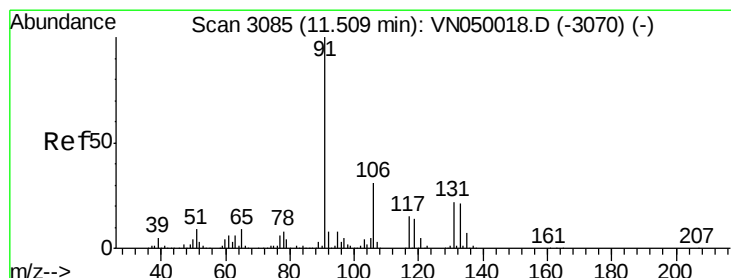
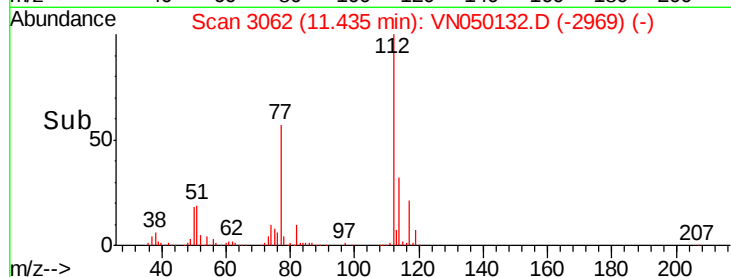
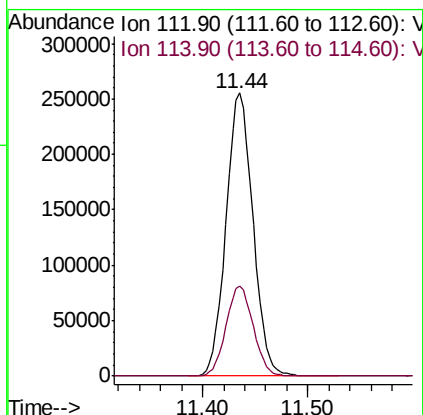
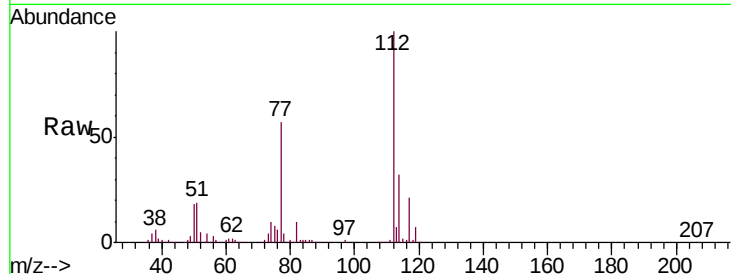




#65
Chlorobenzene
Concen: 19.19 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

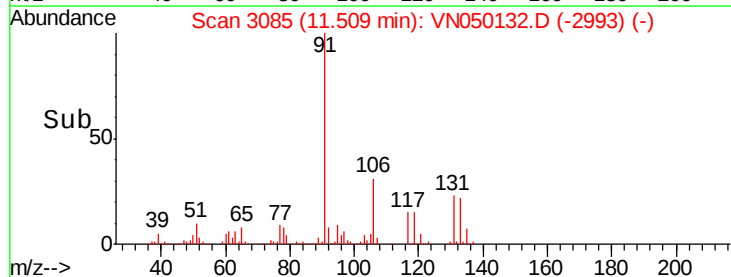
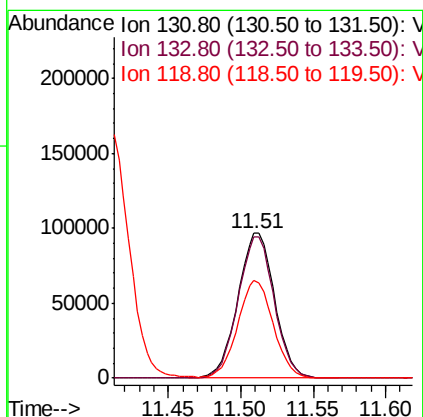
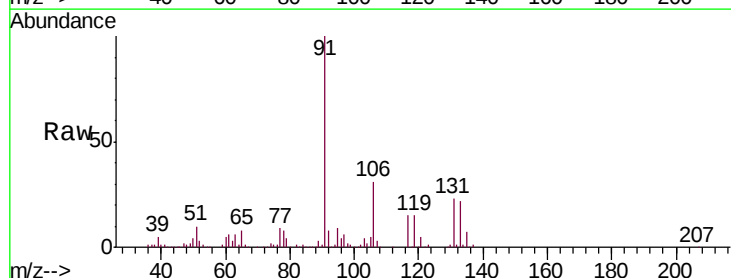
Instrument :
MSVOA_N
ClientSampled :
VN0727WBS02

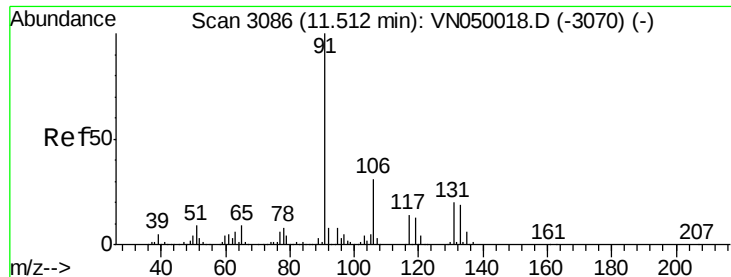
Tot Ion:112 Resp: 450028
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 18.94 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion:131 Resp: 170644
Ion Ratio Lower Upper
131 100
133 95.7 47.3 141.9
119 65.4 32.9 98.7





#67

Ethyl Benzene

Concen: 20.08 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

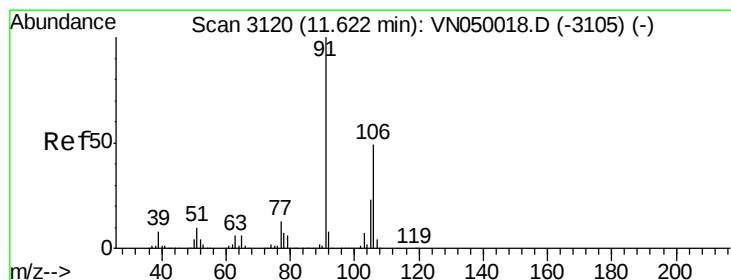
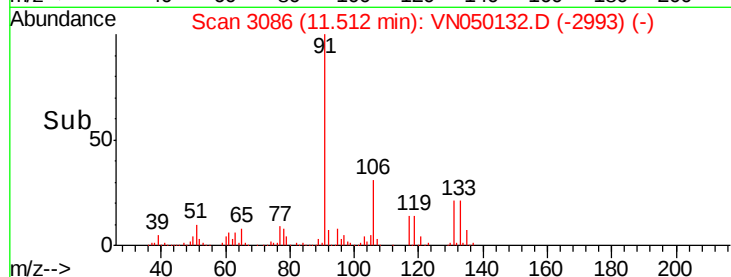
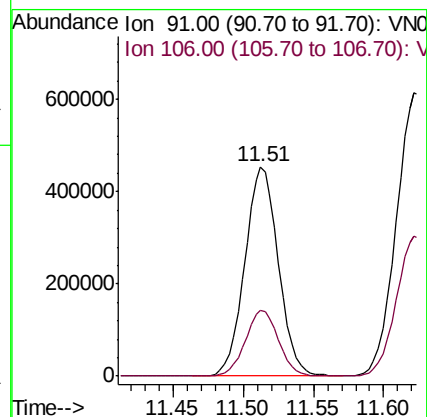
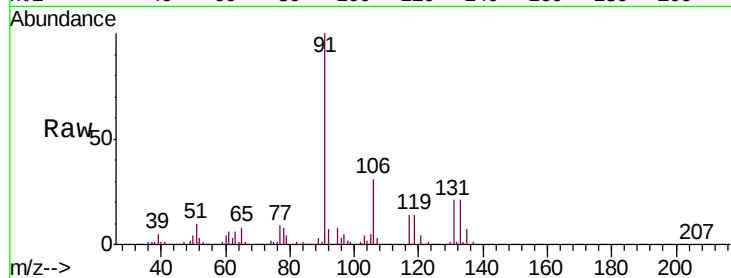
VN0727WBS02

Tot Ion: 91 Resp: 756192

Ion Ratio Lower Upper

91 100

106 31.5 25.0 37.4



#68

m/p-Xylenes

Concen: 41.16 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050132.D

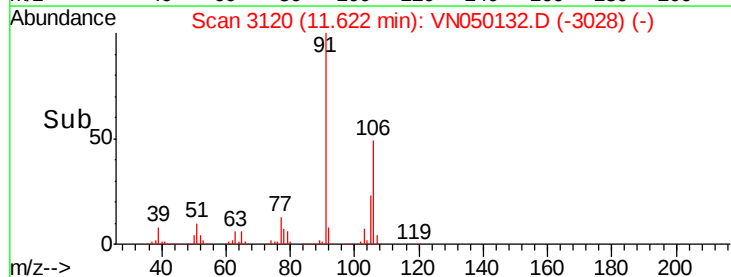
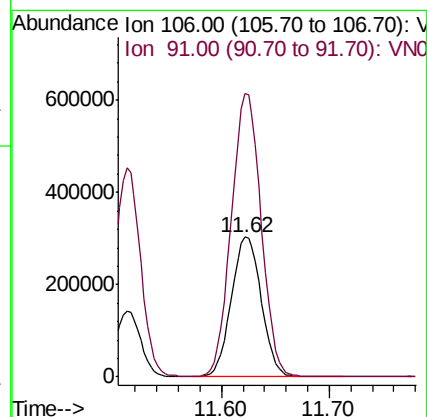
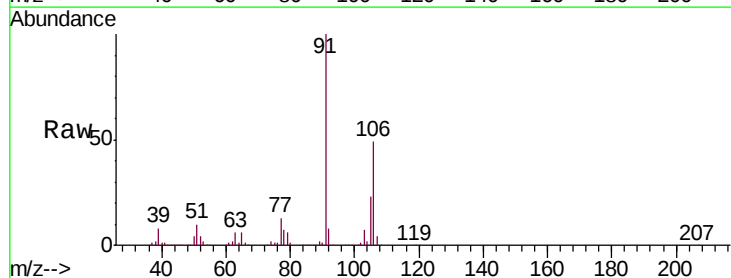
Acq: 27 Jul 2018 16:13

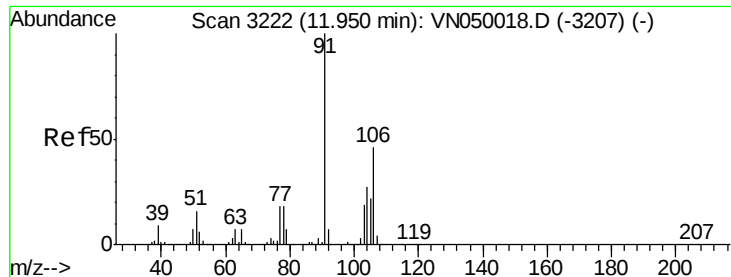
Tgt Ion: 106 Resp: 586420

Ion Ratio Lower Upper

106 100

91 202.0 162.2 243.2

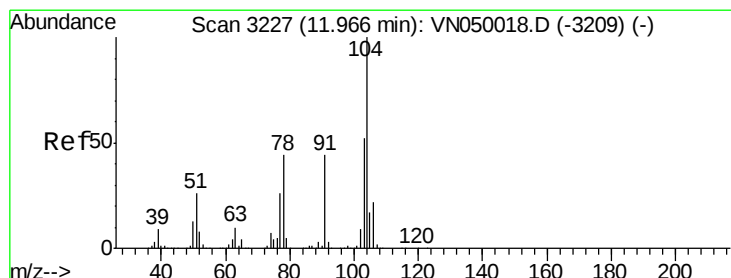
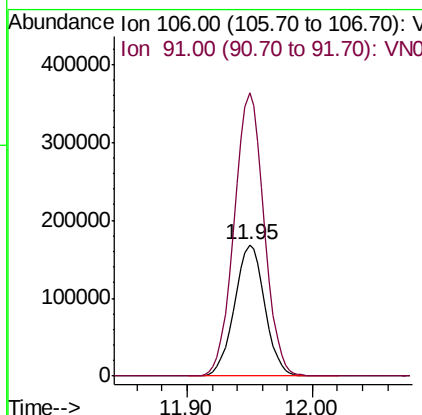
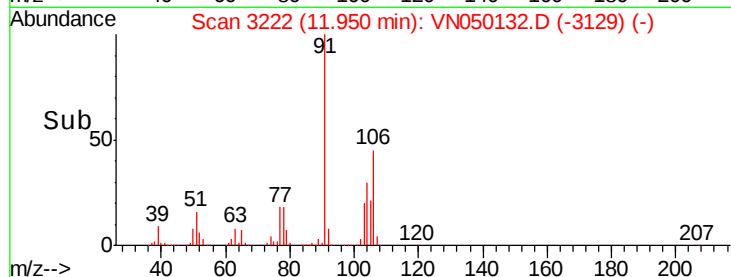
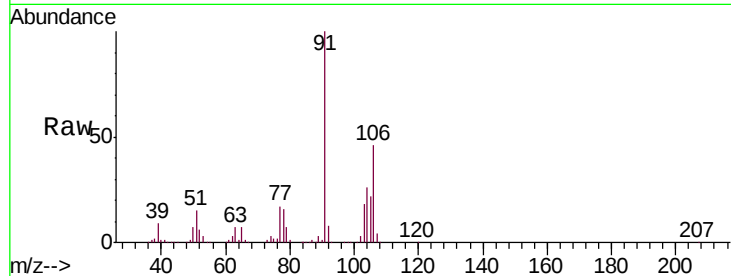




#69
o-Xylene
Concen: 20.77 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

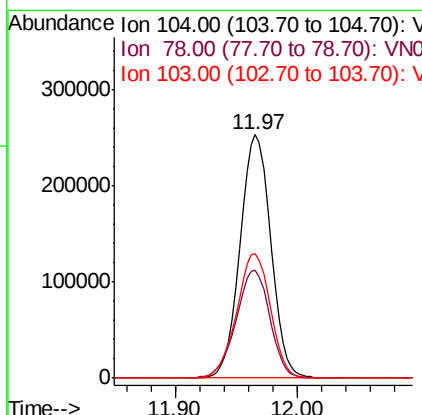
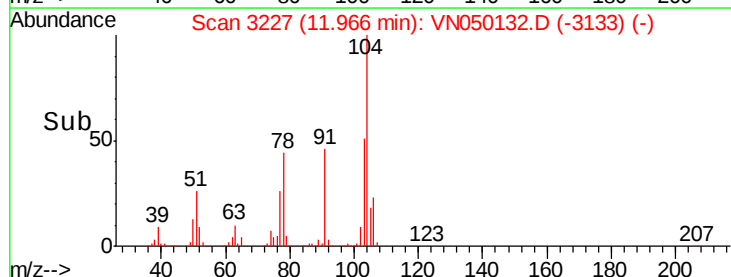
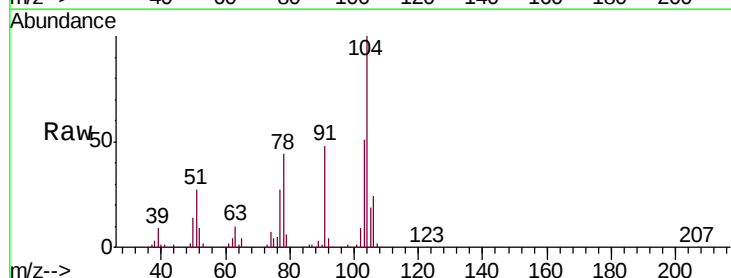
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

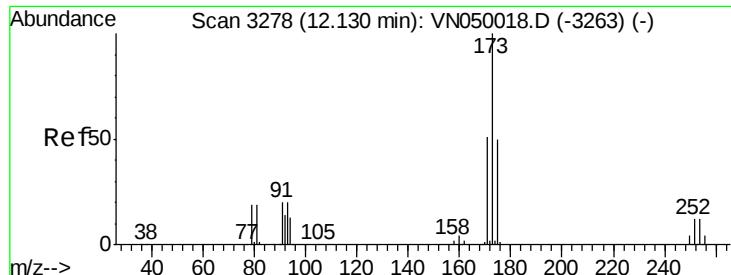
Tot Ion:106 Resp: 282050
Ion Ratio Lower Upper
106 100
91 213.6 107.7 323.1



#70
Styrene
Concen: 18.78 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion:104 Resp: 439506
Ion Ratio Lower Upper
104 100
78 48.8 39.3 58.9
103 56.2 45.0 67.6





#71

Bromoform

Concen: 18.71 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS02

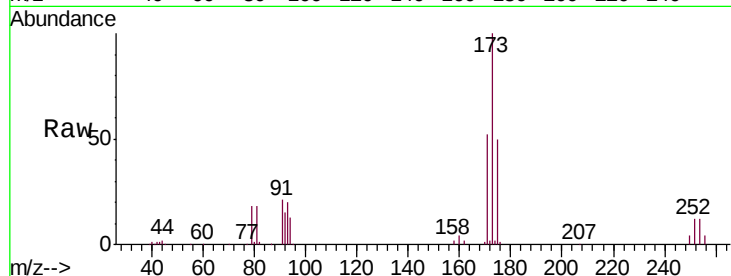
Tot Ion:173 Resp: 122651

Ion Ratio Lower Upper

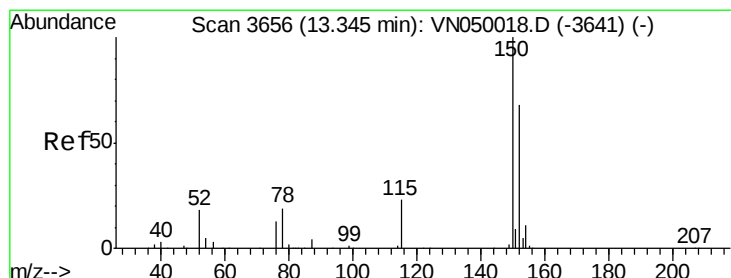
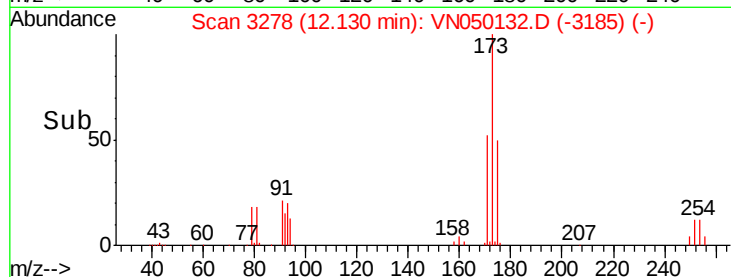
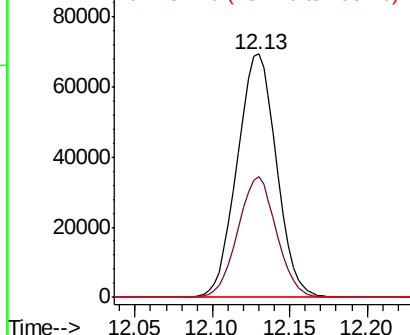
173 100

175 48.7 24.1 72.2

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

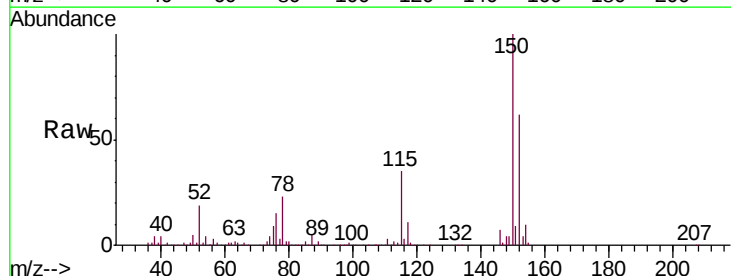
Tgt Ion:152 Resp: 472783

Ion Ratio Lower Upper

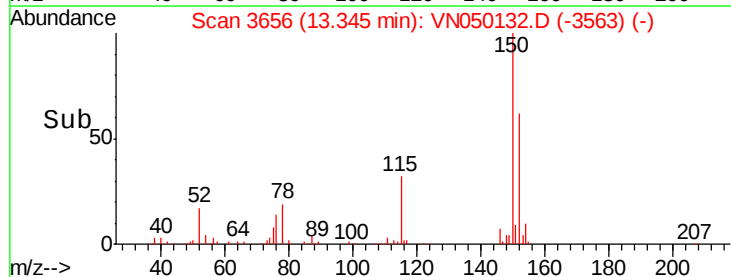
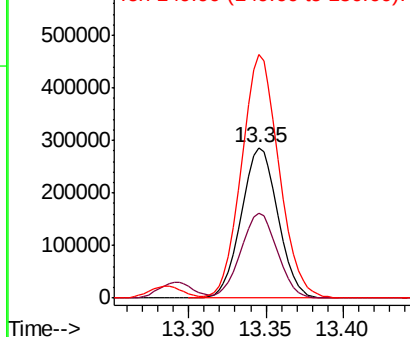
152 100

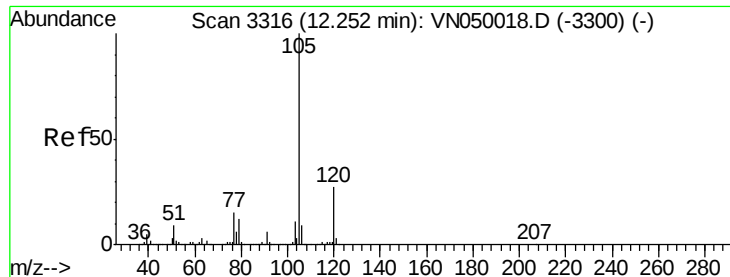
115 56.0 27.8 83.3

150 165.0 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.71 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampled :

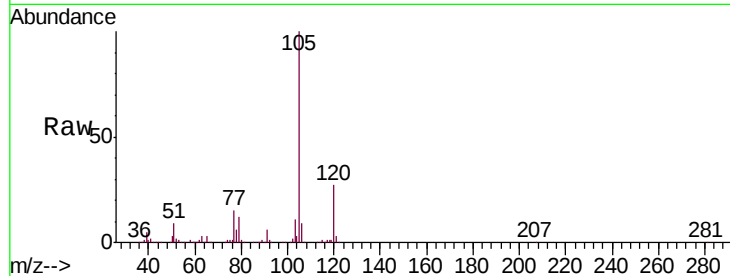
VN0727WBS02

Tot Ion:105 Resp: 759548

Ion Ratio Lower Upper

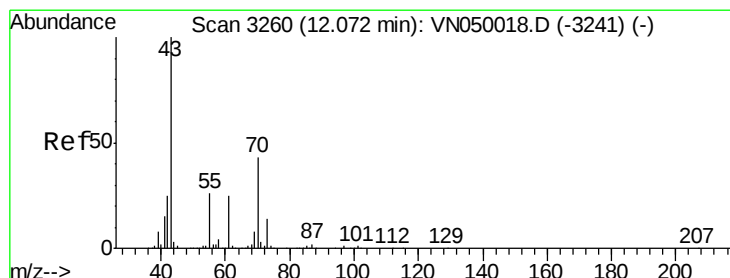
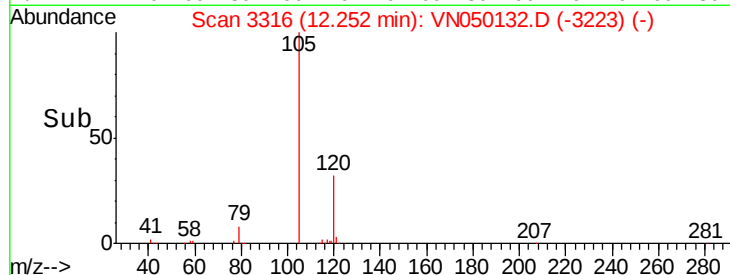
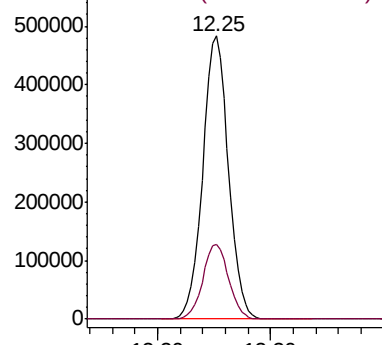
105 100

120 26.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.74 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Tgt Ion: 43 Resp: 210026

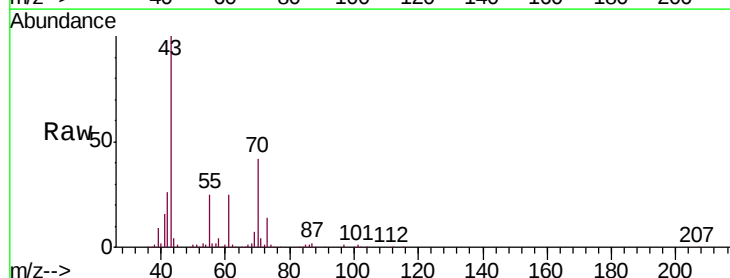
Ion Ratio Lower Upper

43 100

70 42.9 34.4 51.6

55 25.1 20.8 31.2

61 24.8 19.7 29.5

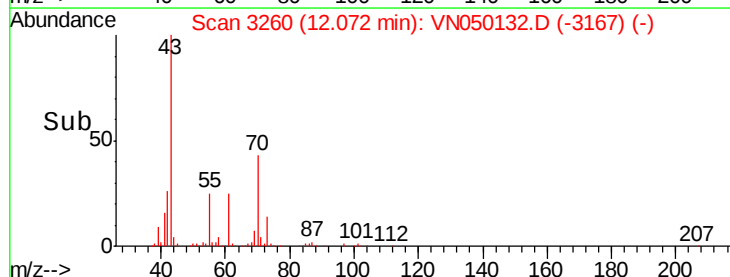
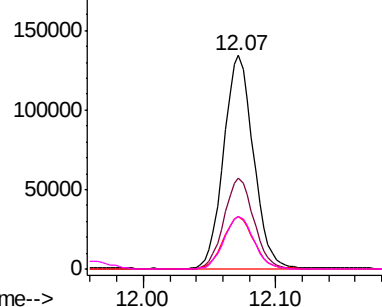


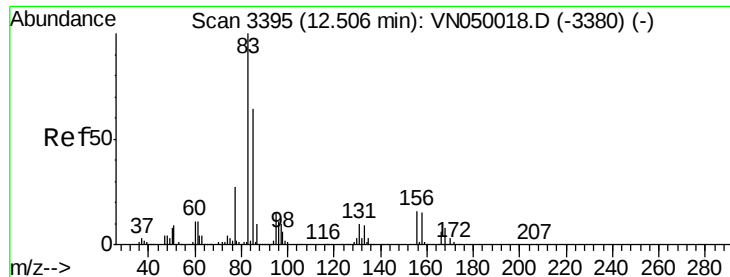
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.01 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS02

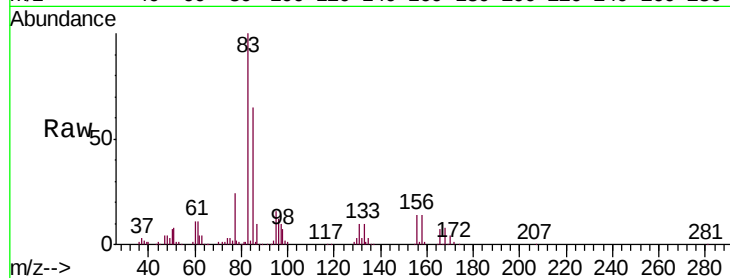
Tot Ion: 83 Resp: 206310

Ion Ratio Lower Upper

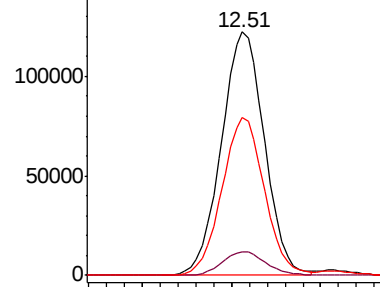
83 100

131 9.9 5.1 15.3

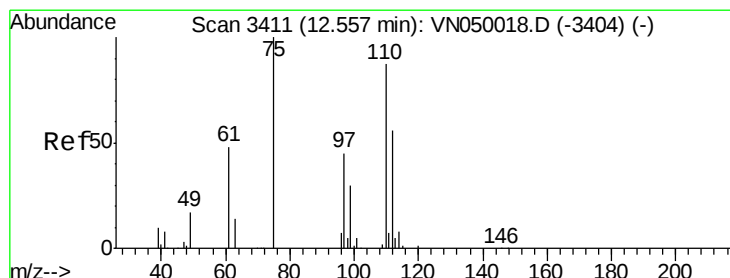
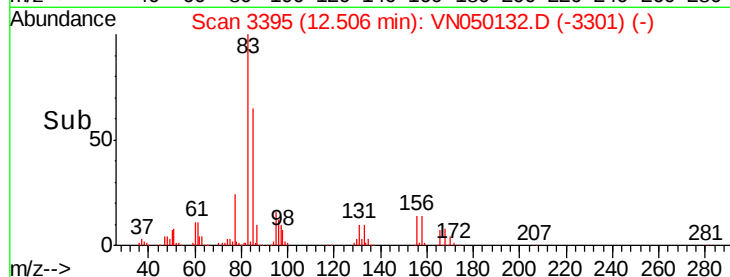
85 63.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



Time-->



#76

1,2,3-Trichloropropane

Concen: 27.68 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN050132.D

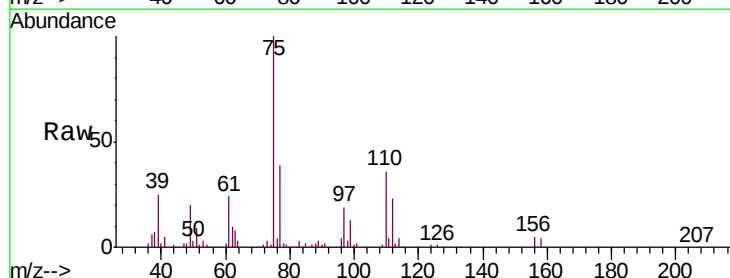
Acq: 27 Jul 2018 16:13

Tgt Ion: 75 Resp: 243208

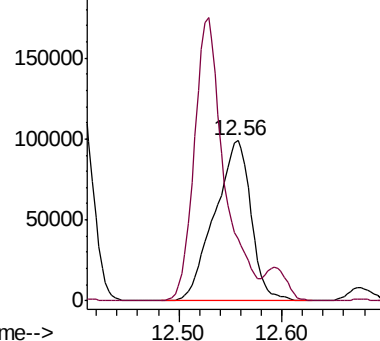
Ion Ratio Lower Upper

75 100

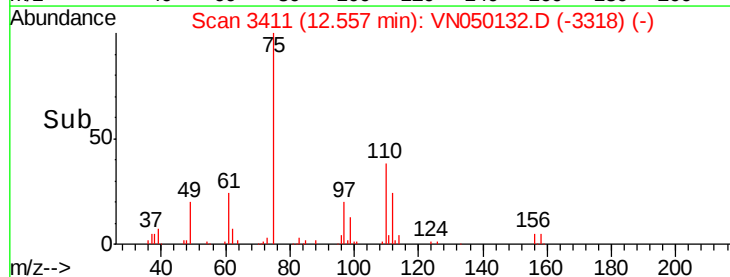
77 0.0 0.0 0.0

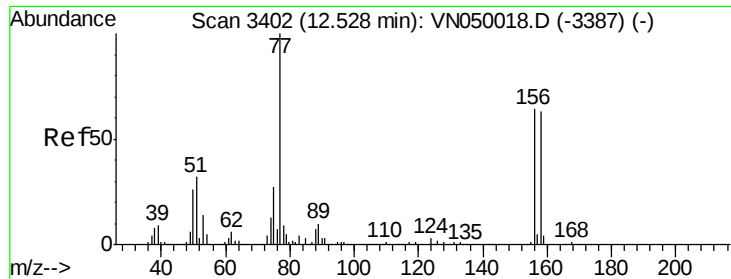


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0



Time-->





#77

Bromobenzene

Concen: 19.07 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS02

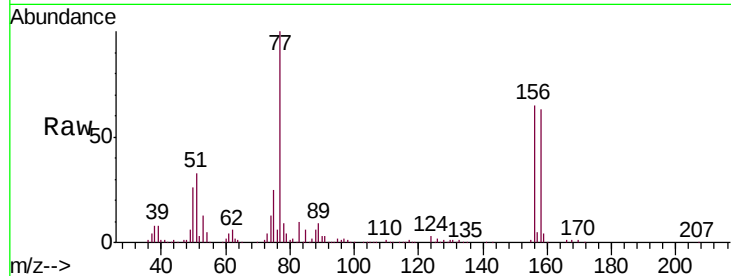
Tot Ion:156 Resp: 193823

Ion Ratio Lower Upper

156 100

77 181.6 91.7 275.1

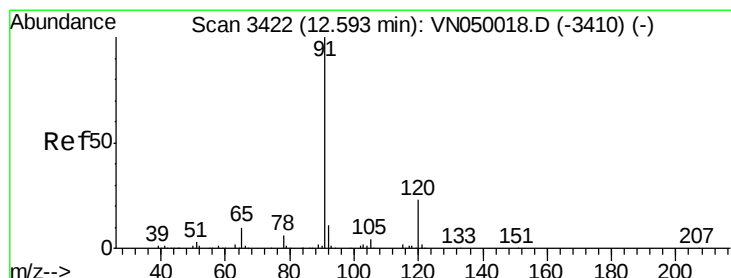
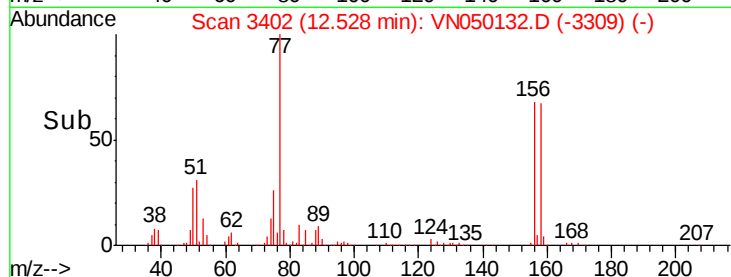
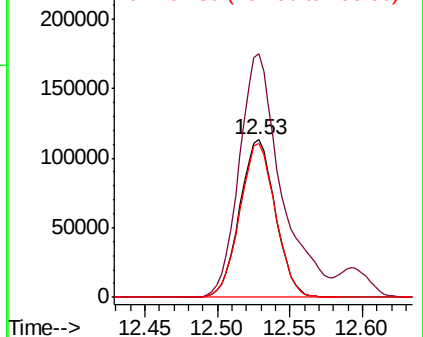
158 97.4 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.74 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050132.D

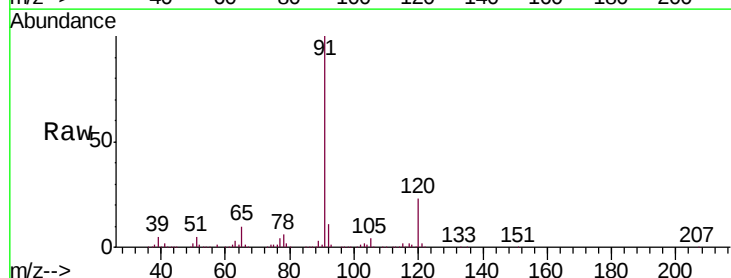
Acq: 27 Jul 2018 16:13

Tgt Ion: 91 Resp: 849818

Ion Ratio Lower Upper

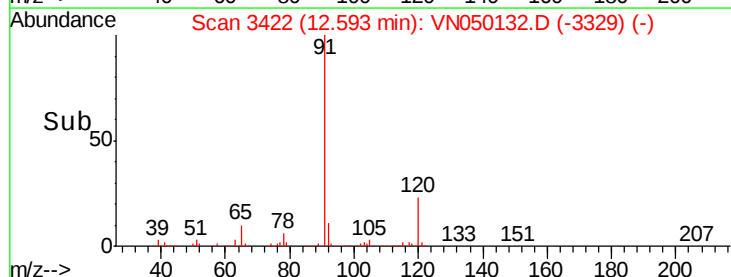
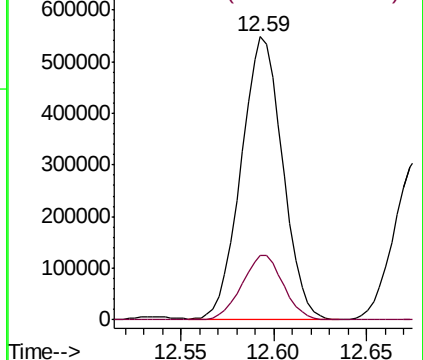
91 100

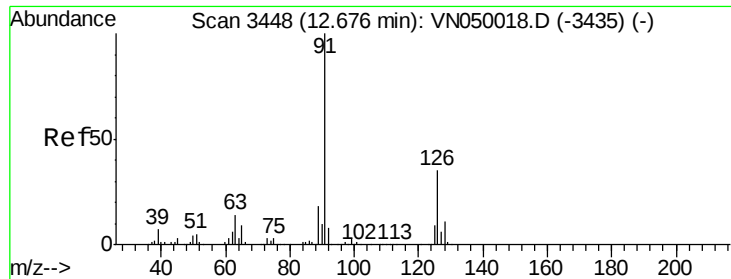
120 22.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.47 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

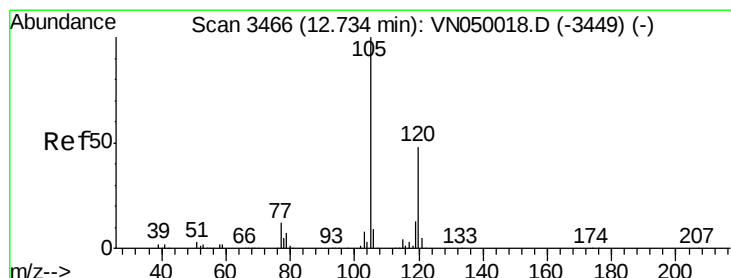
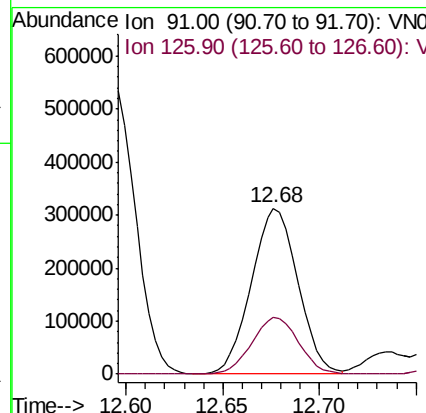
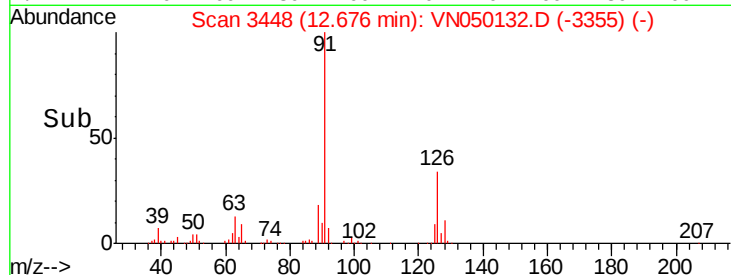
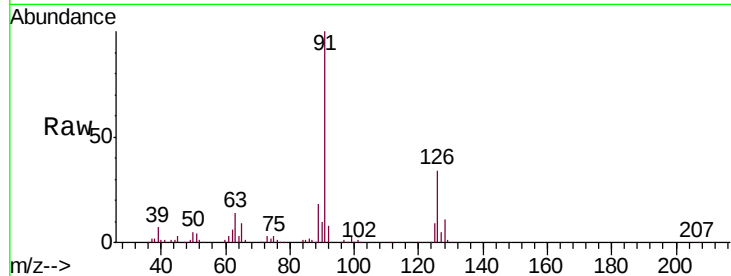
VN0727WBS02

Tot Ion: 91 Resp: 519865

Ion Ratio Lower Upper

91 100

126 34.7 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 21.72 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050132.D

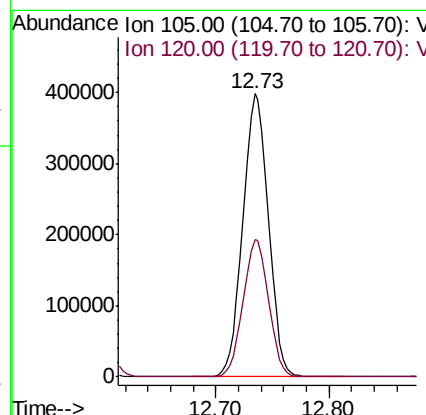
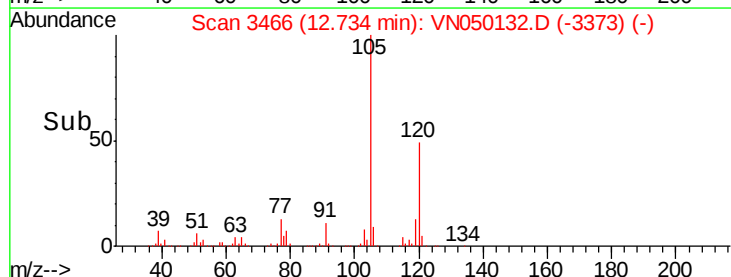
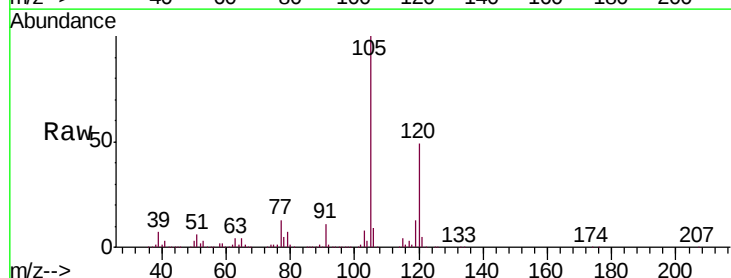
Acq: 27 Jul 2018 16:13

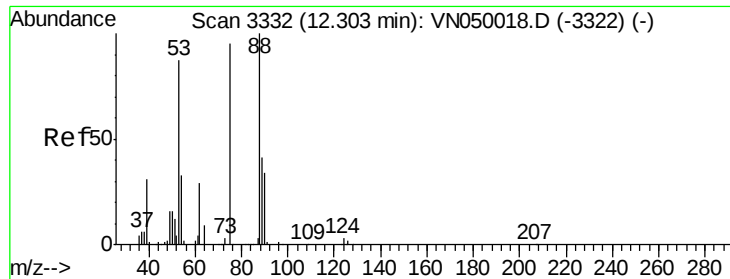
Tgt Ion:105 Resp: 626555

Ion Ratio Lower Upper

105 100

120 48.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.43 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS02

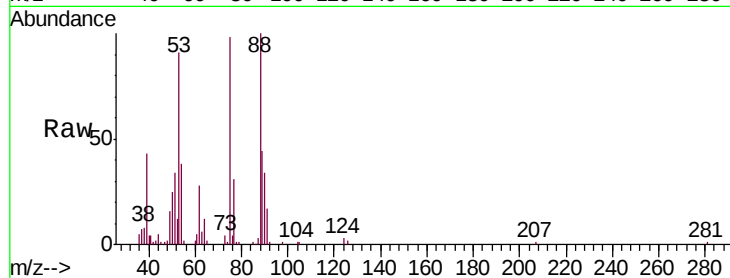
Tot Ion: 75 Resp: 51052

Ion Ratio Lower Upper

75 100

53 94.8 73.5 110.3

89 45.5 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

200000

150000

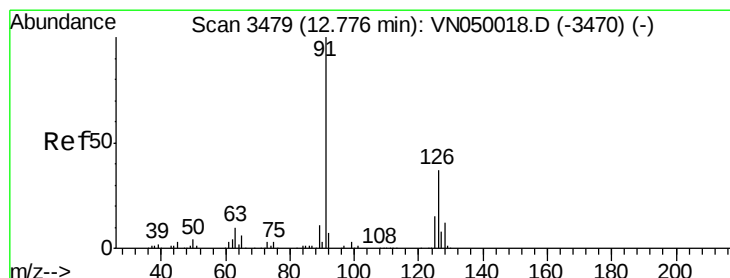
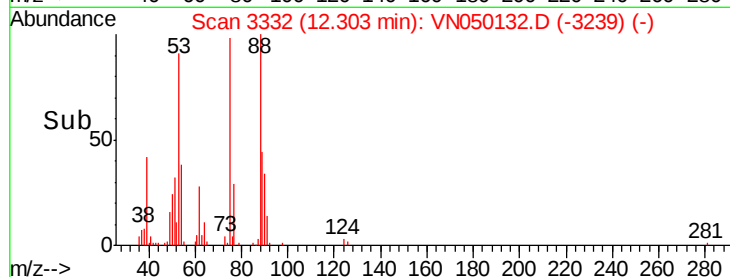
100000

50000

0

12.25 12.30 12.35

Time-->



#82

4-Chlorotoluene

Concen: 20.37 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. -0.00 min

Lab File: VN050132.D

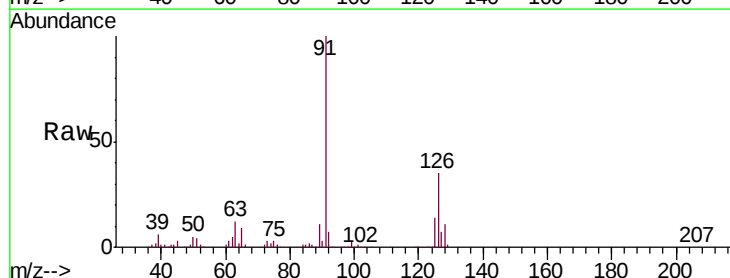
Acq: 27 Jul 2018 16:13

Tgt Ion: 91 Resp: 512447

Ion Ratio Lower Upper

91 100

126 34.5 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

300000

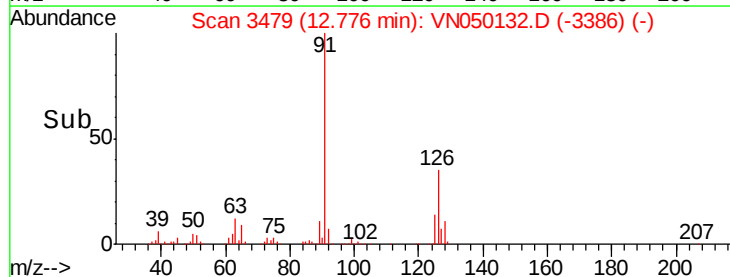
200000

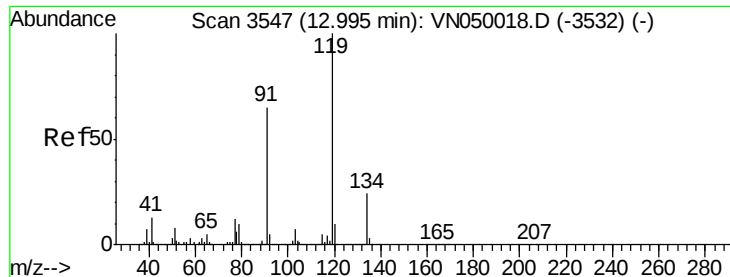
100000

0

12.75 12.80

Time-->

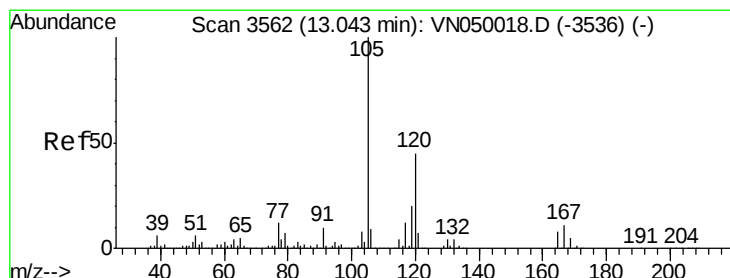
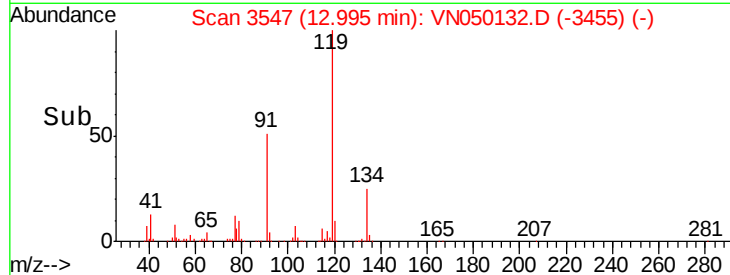
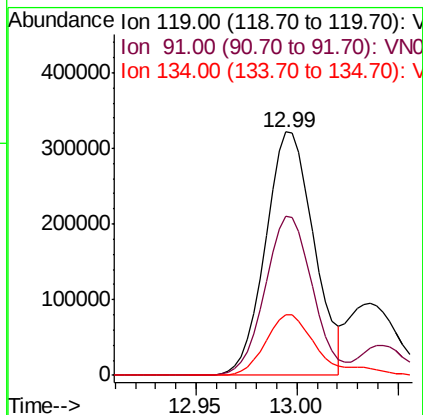
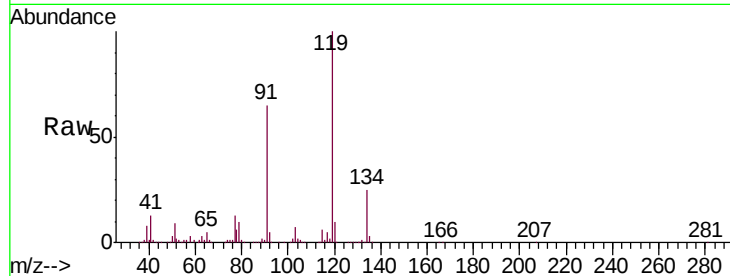




#83
 tert-Butylbenzene
 Concen: 21.25 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

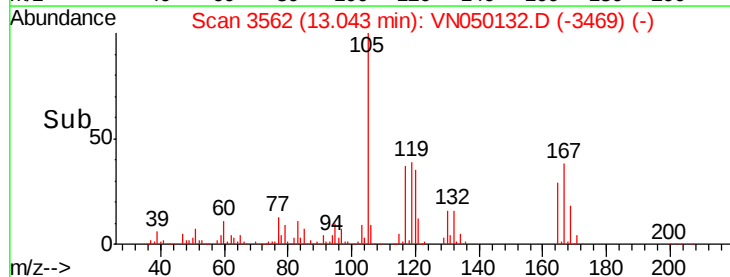
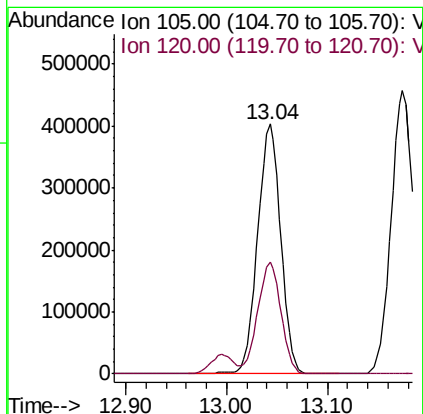
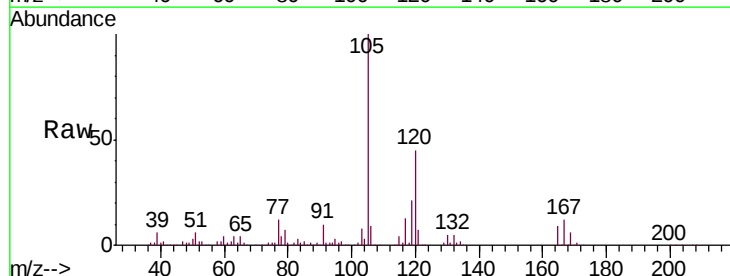
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

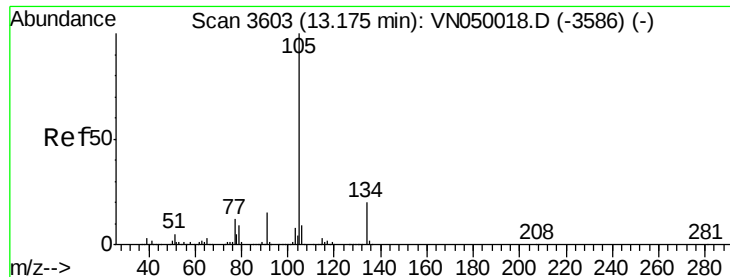
Tot Ion:119 Resp: 534750
 Ion Ratio Lower Upper
 119 100
 91 64.0 32.1 96.3
 134 27.0 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 22.01 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Tgt Ion:105 Resp: 639863
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.9 68.7





#85

sec-Butylbenzene

Concen: 21.29 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

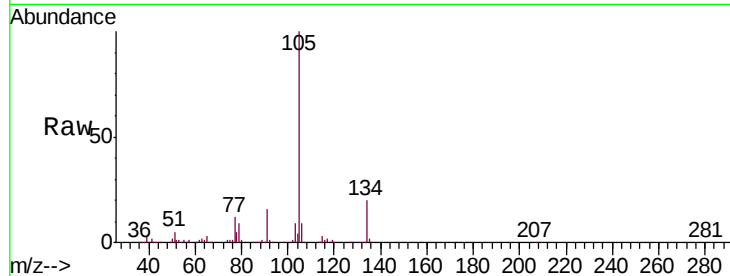
VN0727WBS02

Tot Ion:105 Resp: 716046

Ion Ratio Lower Upper

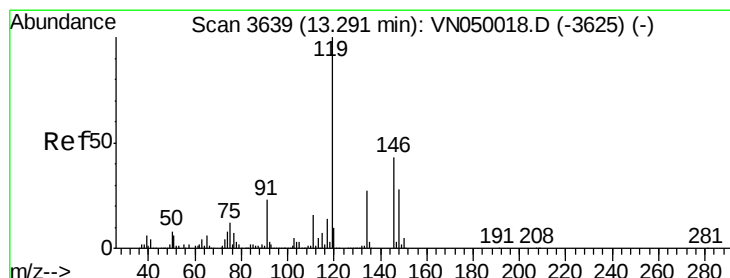
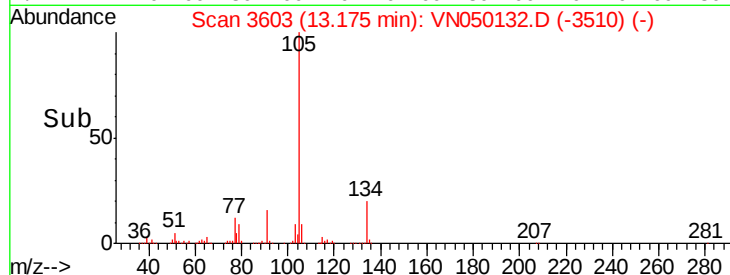
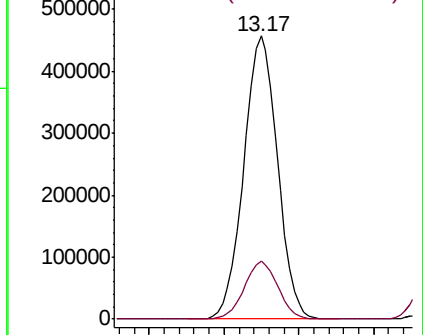
105 100

134 20.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.46 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

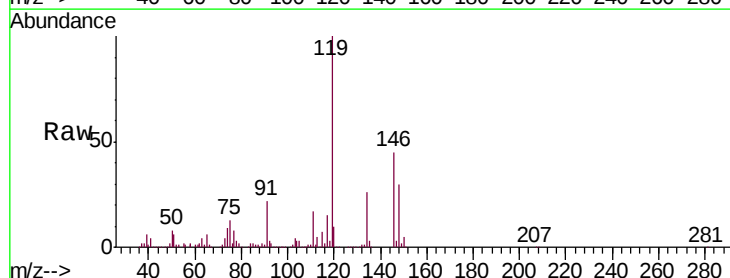
Tgt Ion:119 Resp: 608255

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

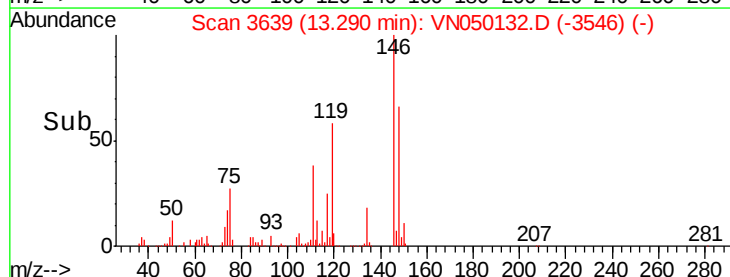
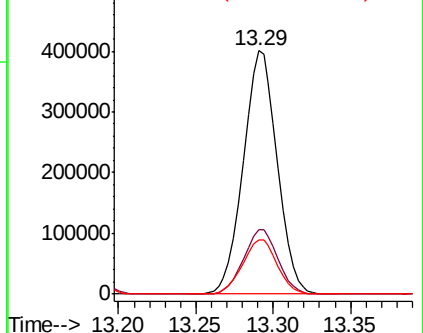
91 22.8 11.4 34.2

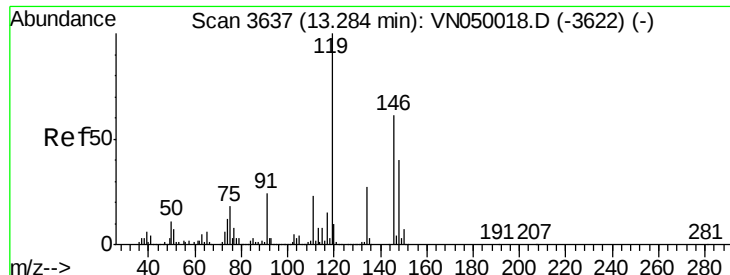


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.42 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS02

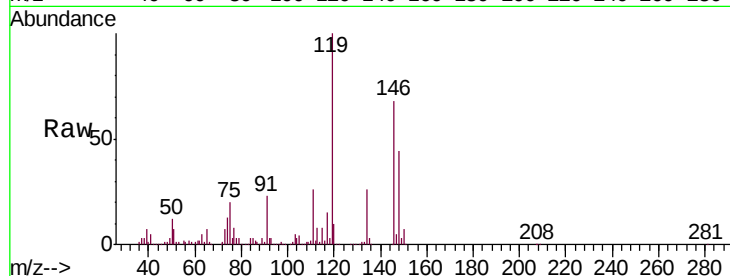
Tot Ion:146 Resp: 334594

Ion Ratio Lower Upper

146 100

111 38.4 18.8 56.4

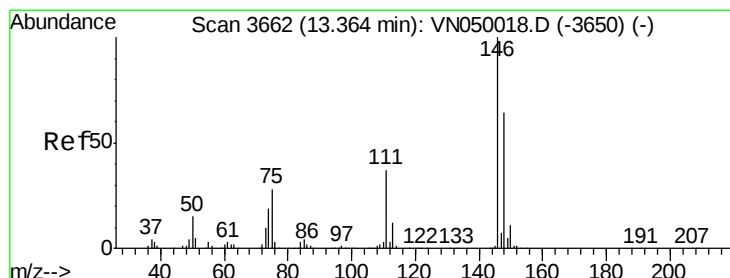
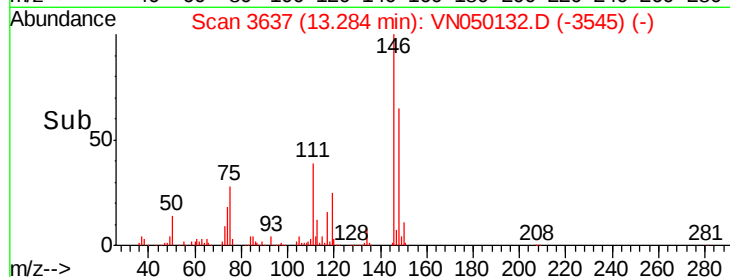
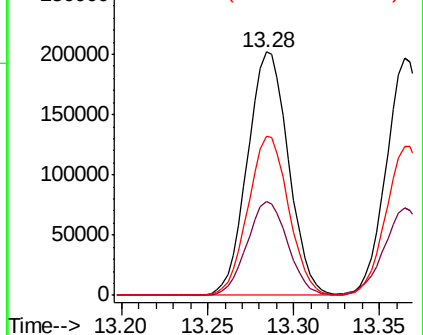
148 64.8 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.37 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

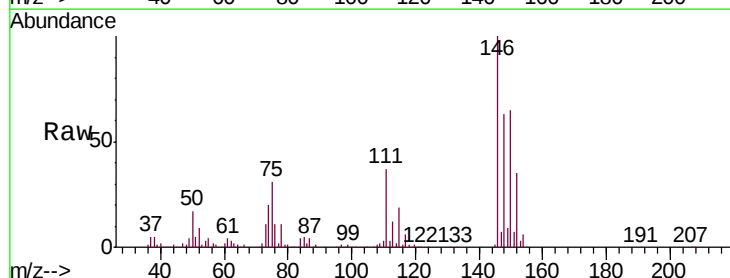
Tgt Ion:146 Resp: 325169

Ion Ratio Lower Upper

146 100

111 38.5 18.3 54.9

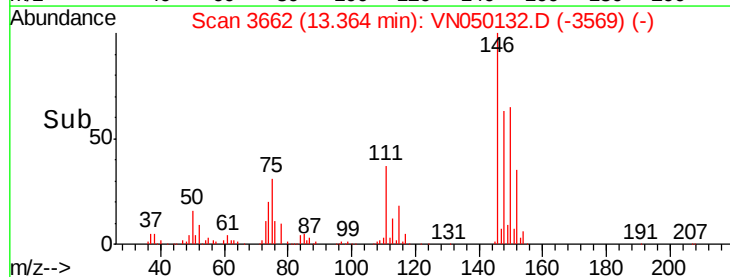
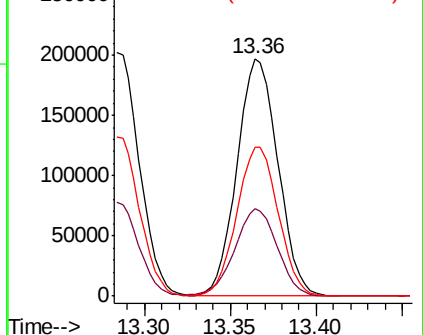
148 63.7 31.9 95.9

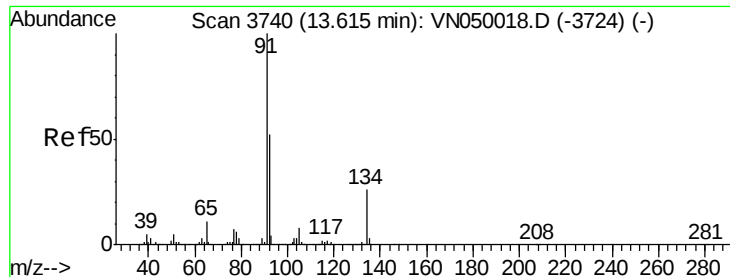


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

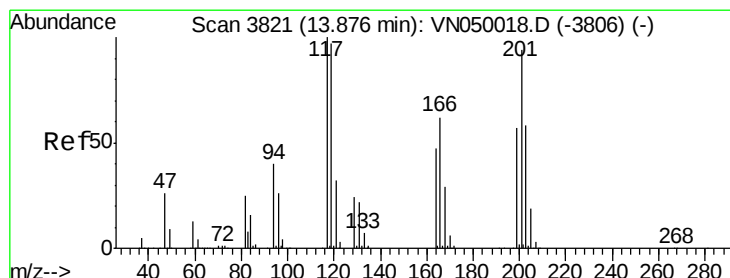
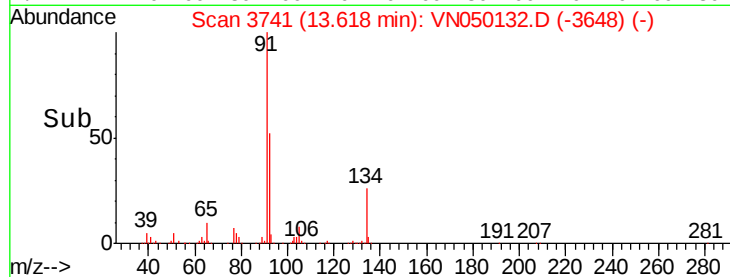
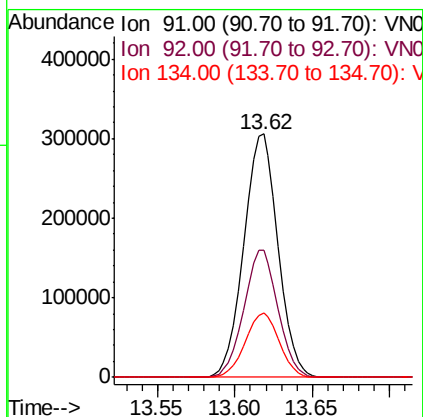
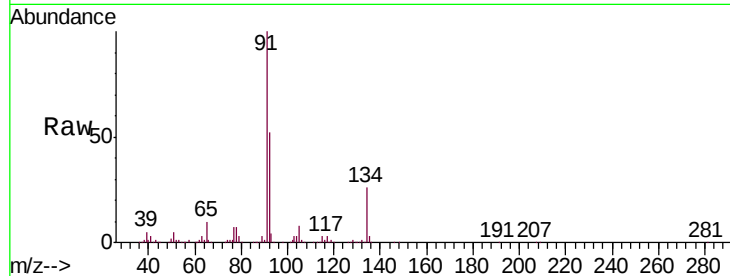




#89
n-Butylbenzene
Concen: 20.19 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

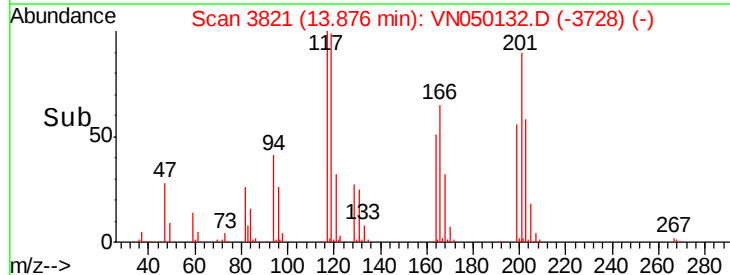
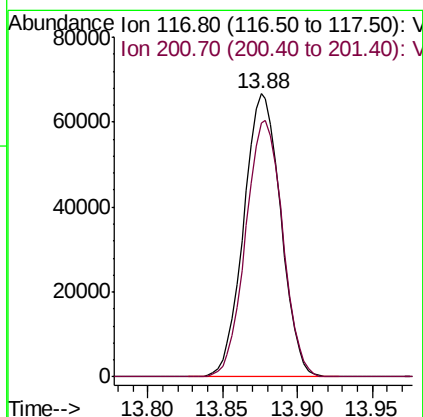
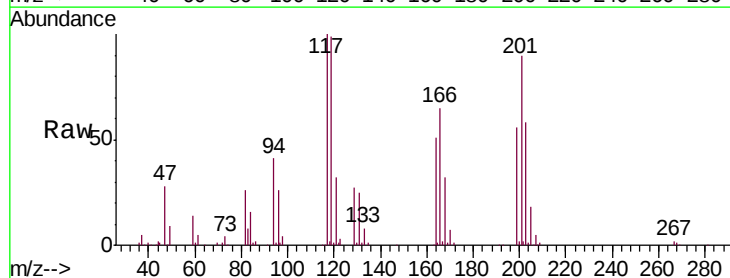
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

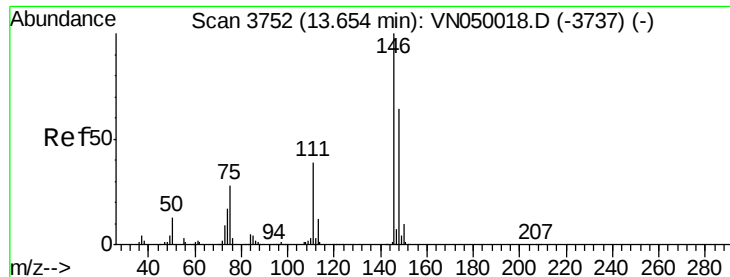
Tot Ion: 91 Resp: 470497
Ion Ratio Lower Upper
91 100
92 52.0 25.8 77.4
134 26.5 12.8 38.4



#90
Hexachloroethane
Concen: 18.30 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion: 117 Resp: 115168
Ion Ratio Lower Upper
117 100
201 90.0 45.6 136.8

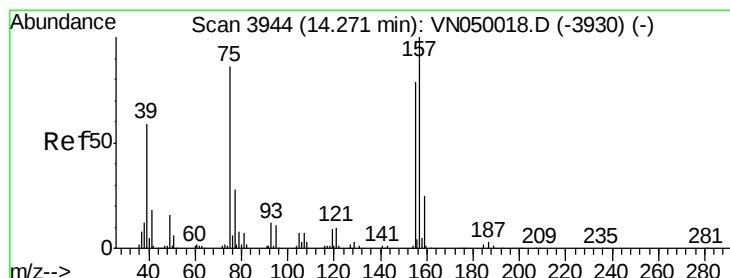
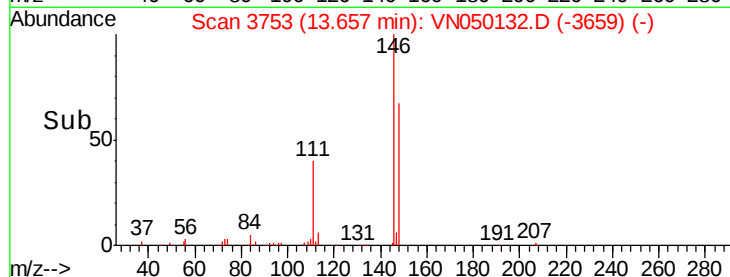
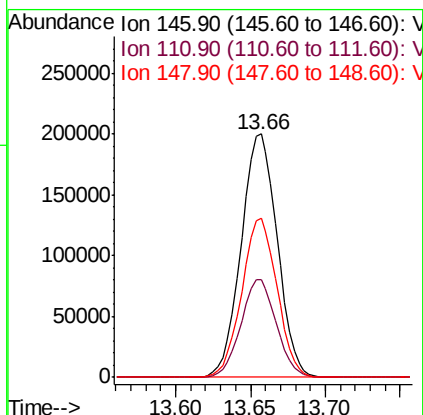
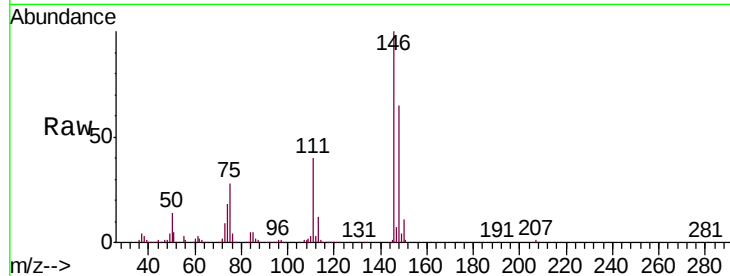




#91
 1,2-Dichlorobenzene
 Concen: 19.47 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

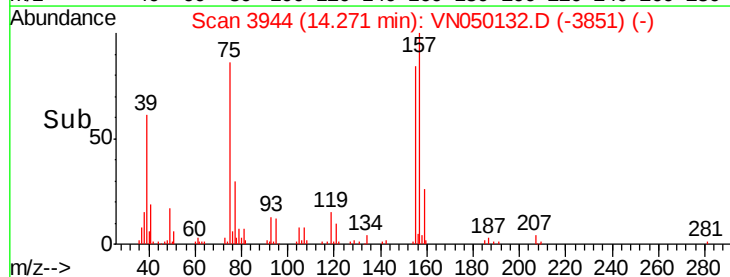
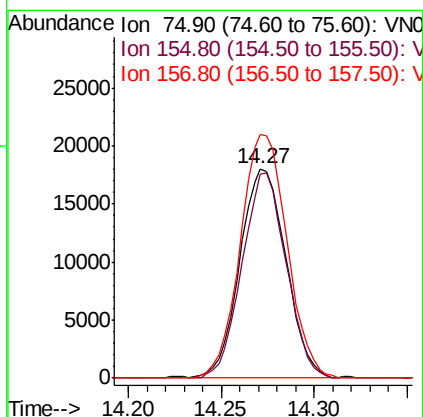
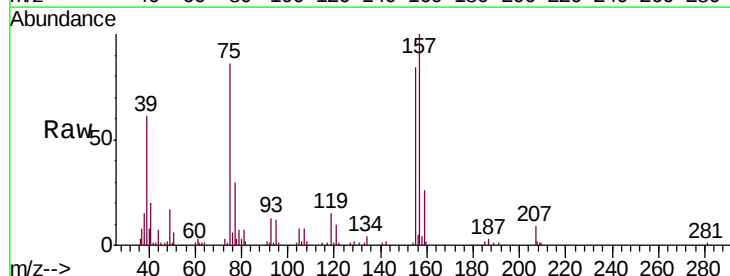
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

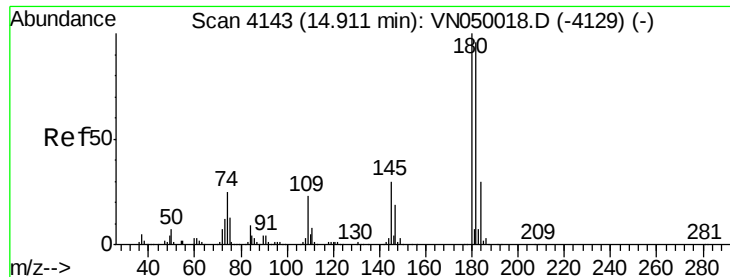
Tot Ion:146 Resp: 335371
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.6 58.7
 148 63.9 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.59 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Tgt Ion: 75 Resp: 31202
 Ion Ratio Lower Upper
 75 100
 155 93.3 44.8 134.4
 157 117.6 57.2 171.6

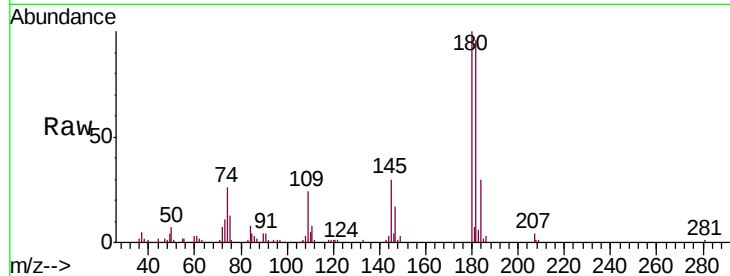




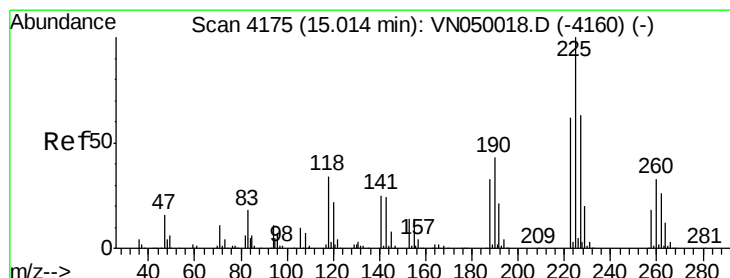
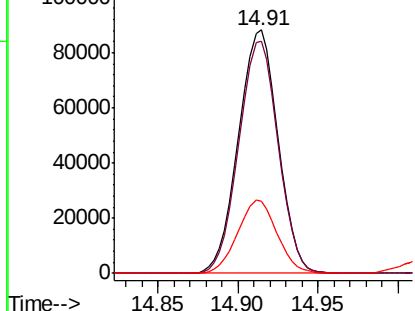
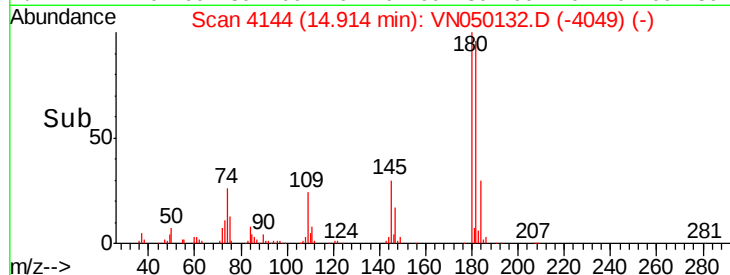
#93
 1,2,4-Trichlorobenzene
 Concen: 18.33 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

Tot Ion:180 Resp: 148379
 Ion Ratio Lower Upper
 180 100
 182 95.1 46.7 140.1
 145 29.8 13.8 41.4

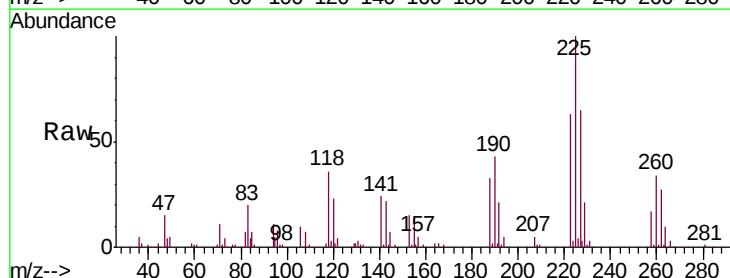


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

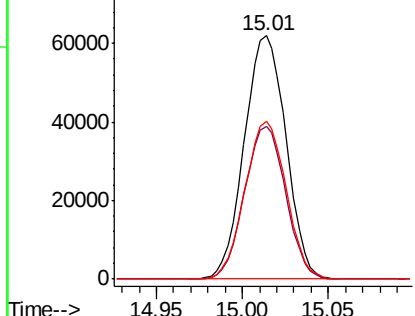
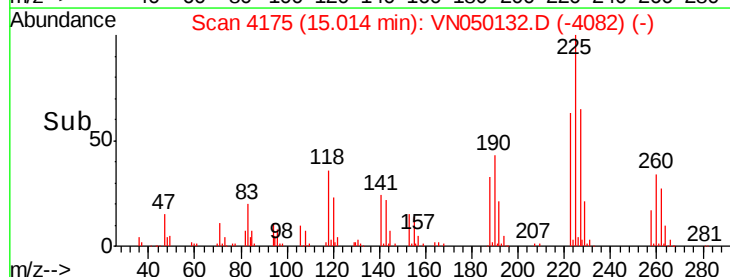


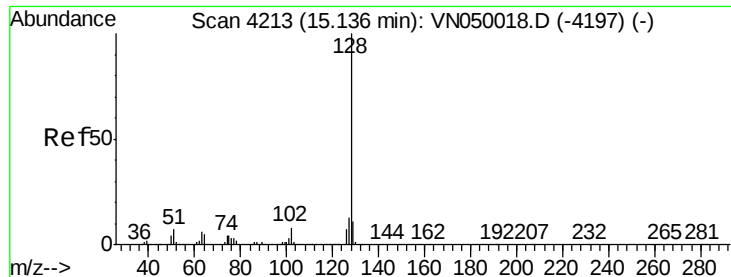
#94
 Hexachlorobutadiene
 Concen: 19.80 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Tgt Ion:225 Resp: 104396
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.4 94.2
 227 64.0 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.36 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS02

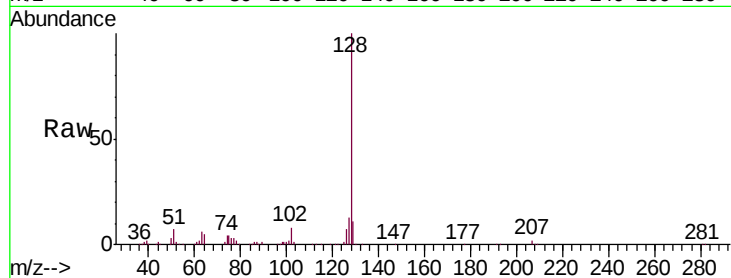
Tot Ion:128 Resp: 330198

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

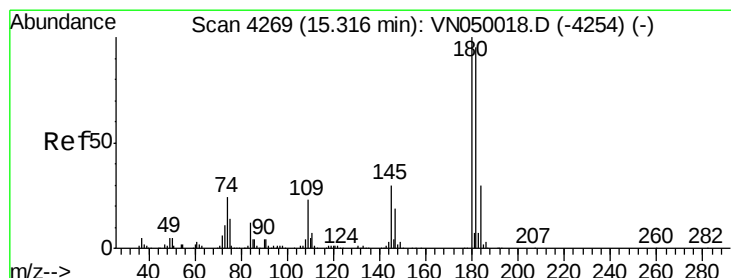
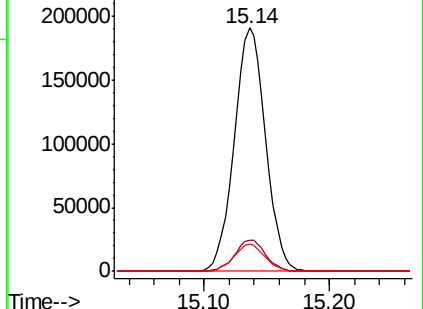
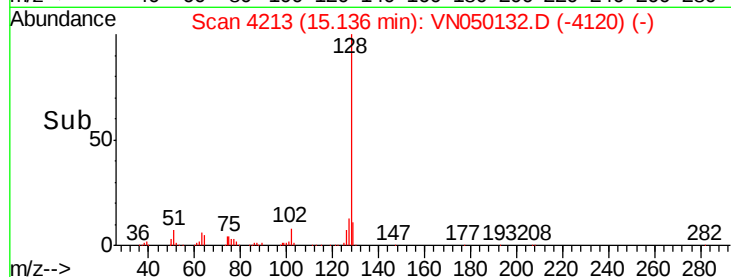
129 11.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.08 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

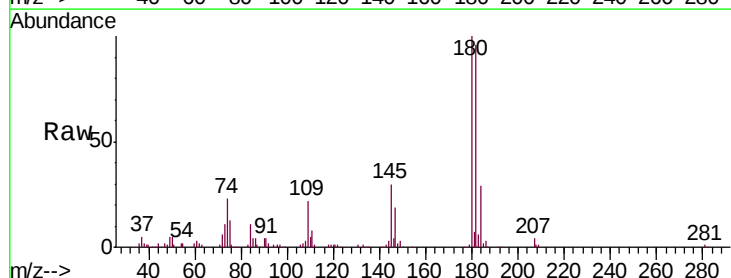
Tgt Ion:180 Resp: 157052

Ion Ratio Lower Upper

180 100

182 95.0 48.1 144.4

145 30.5 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

